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FIG. 1A

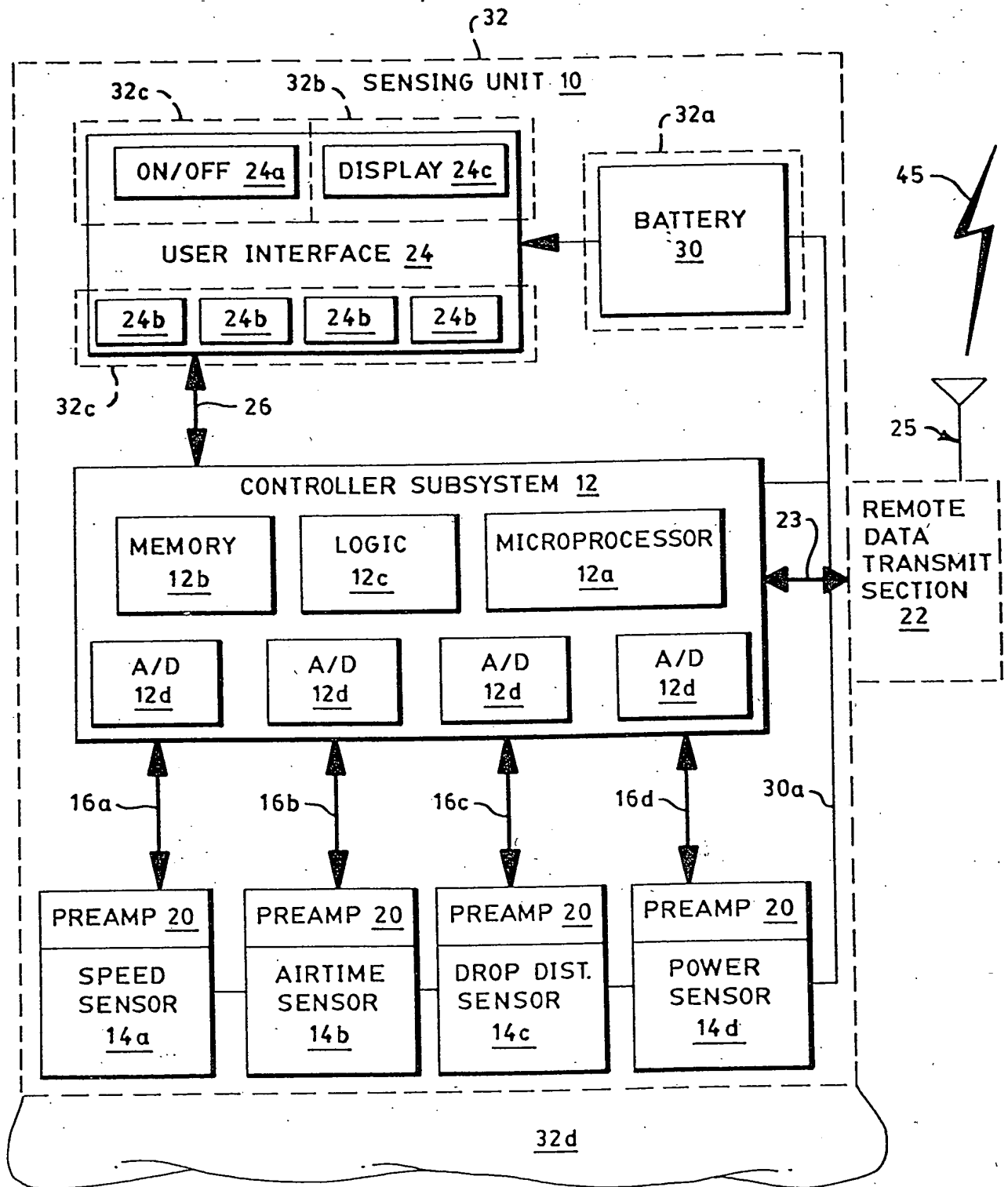


FIG. 1A

0992966 110601

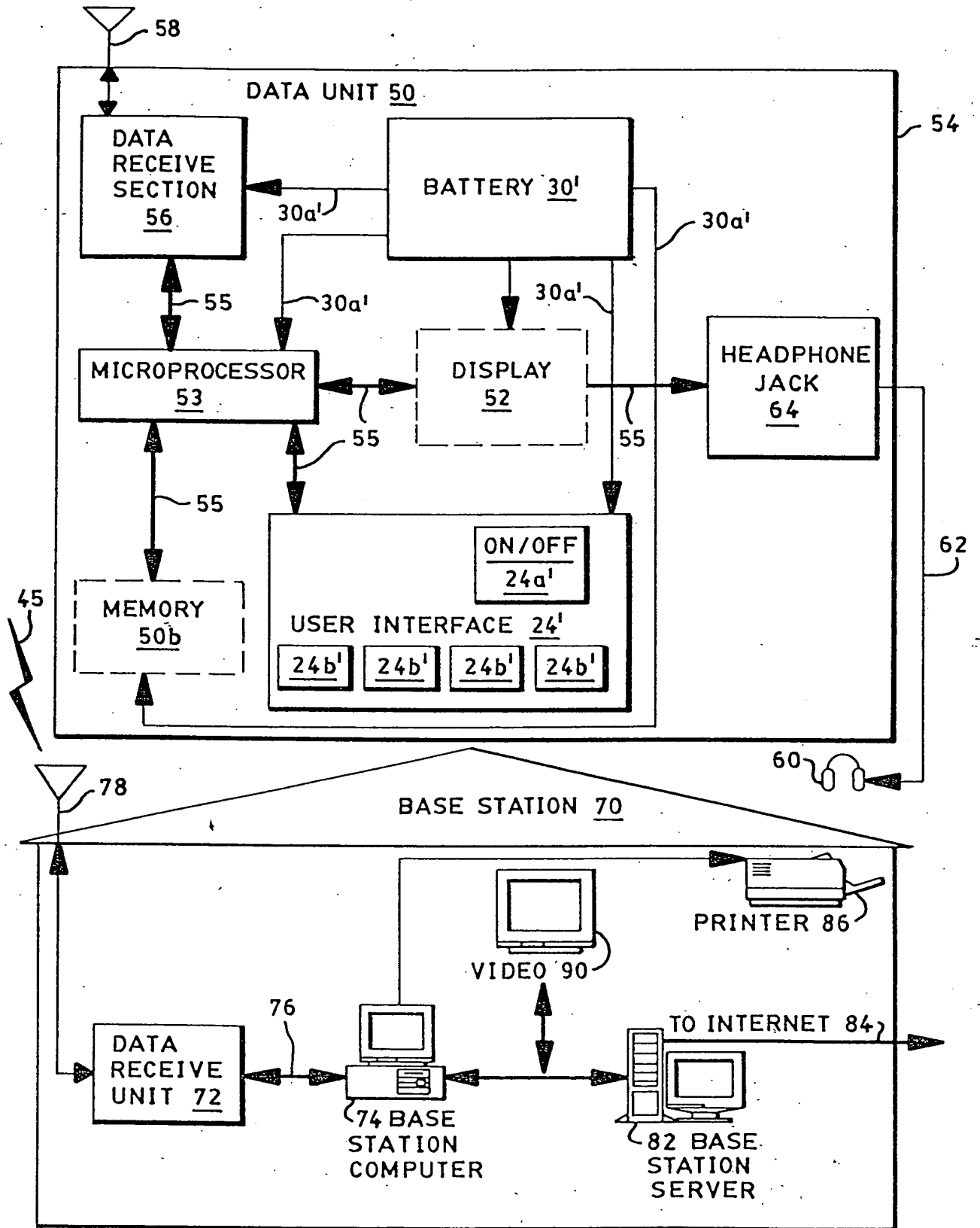


FIG. 1B

0992966 "10501"
T090T" 99626660

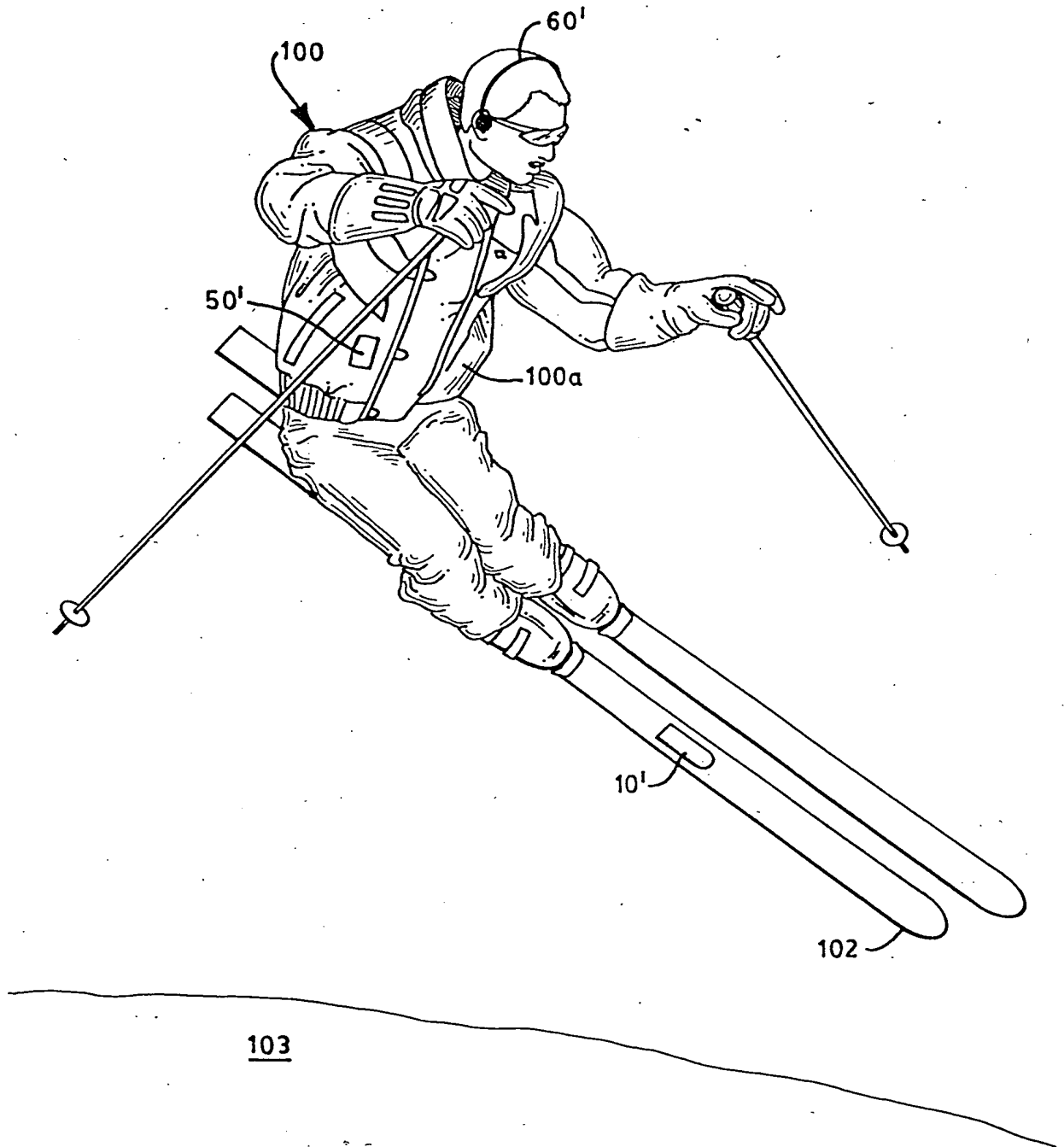


FIG. 2

FIG. 3

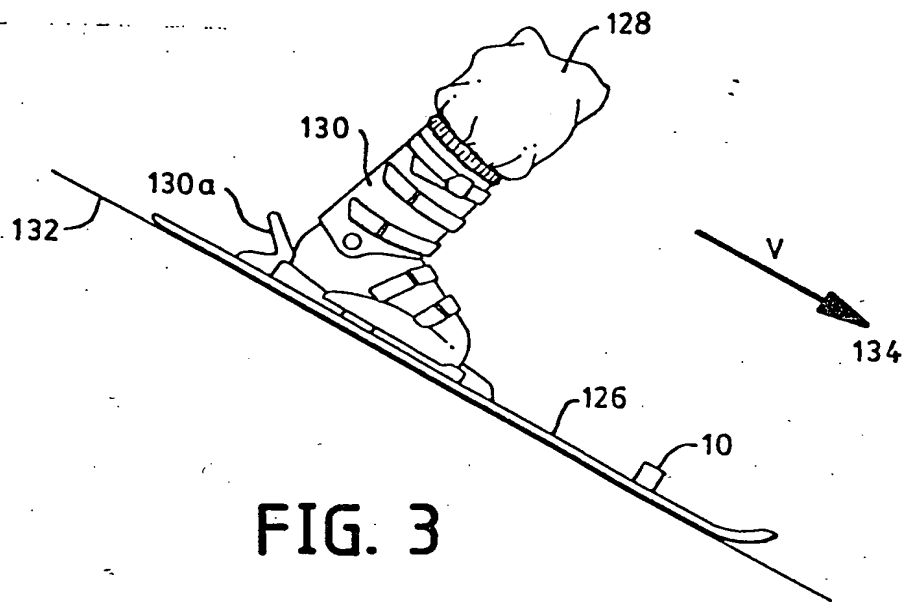


FIG. 3

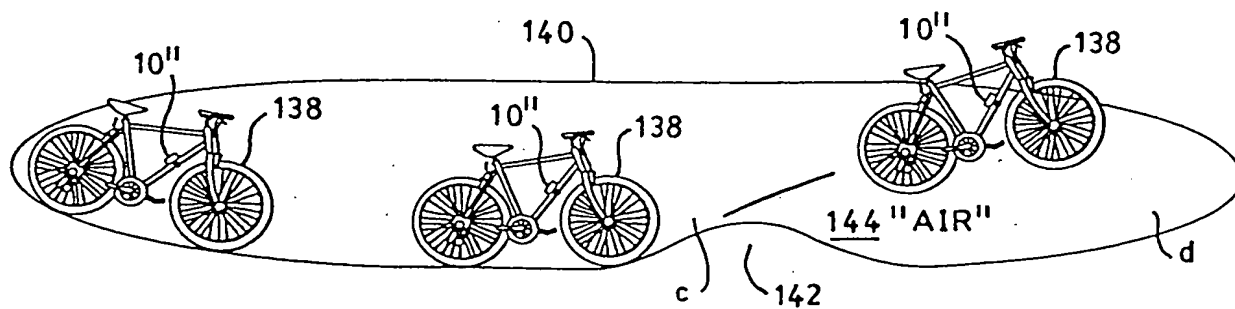


FIG. 5

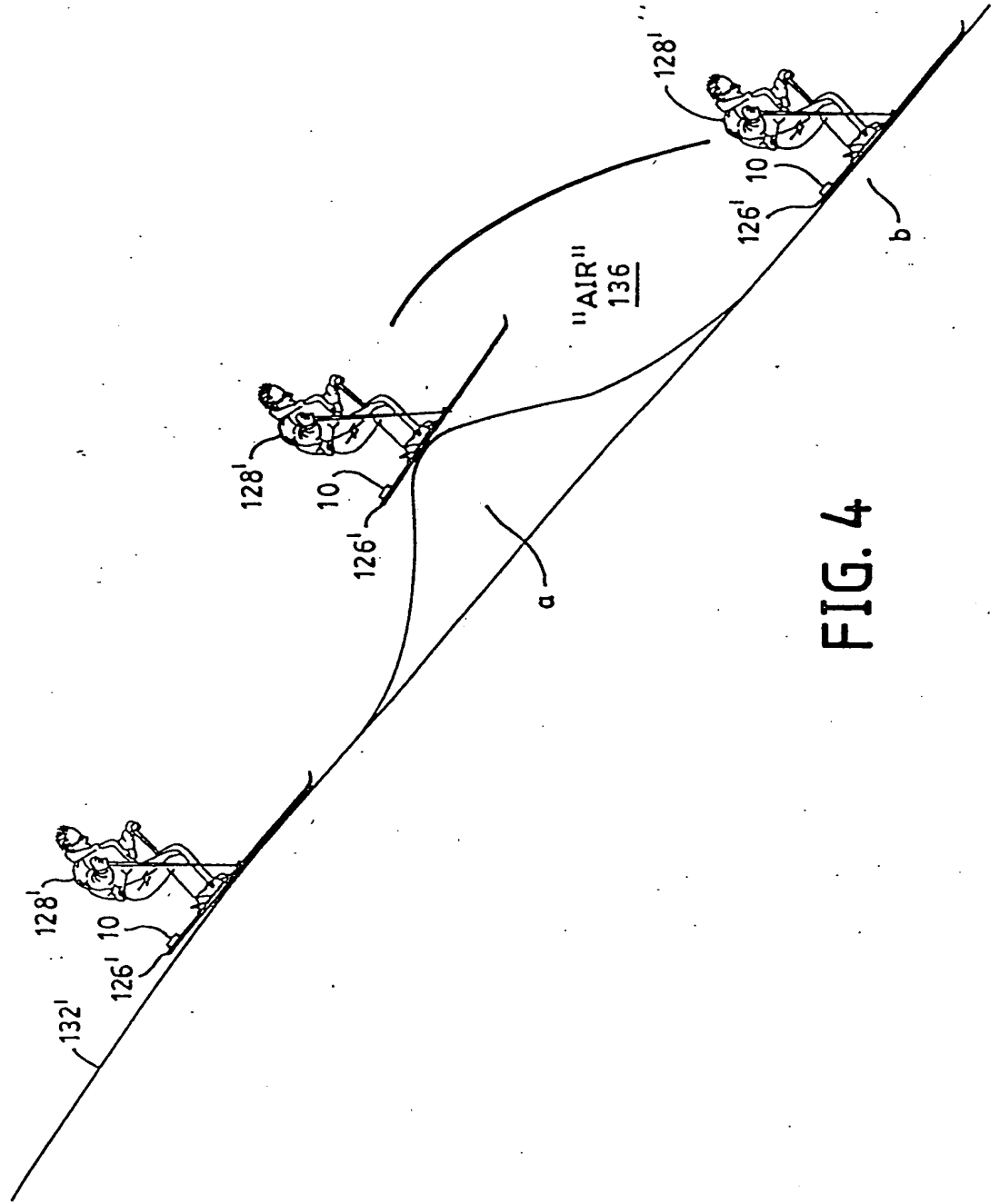
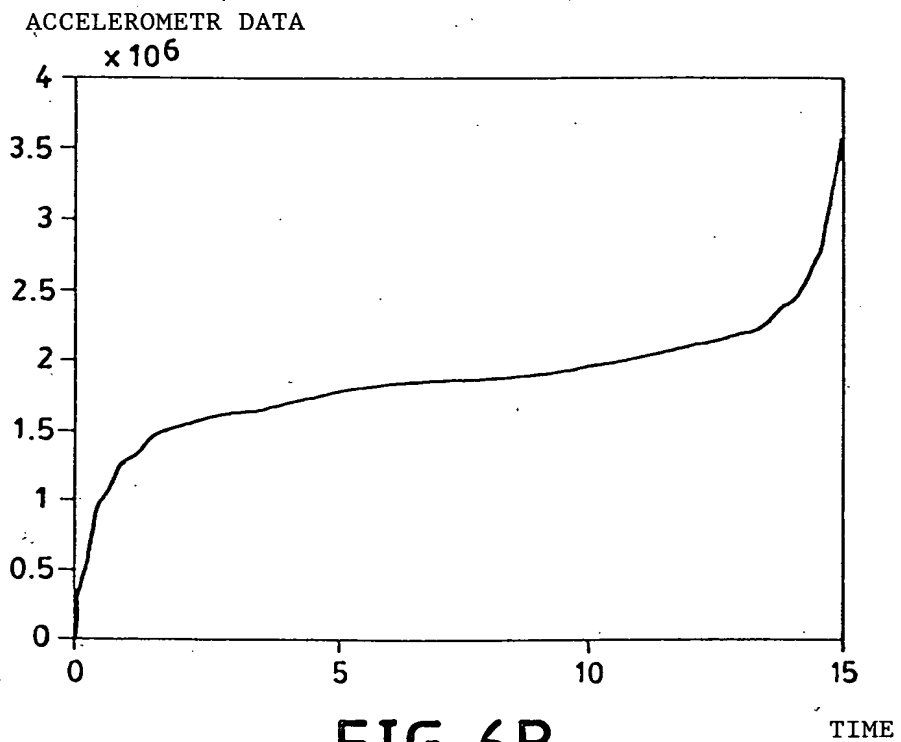
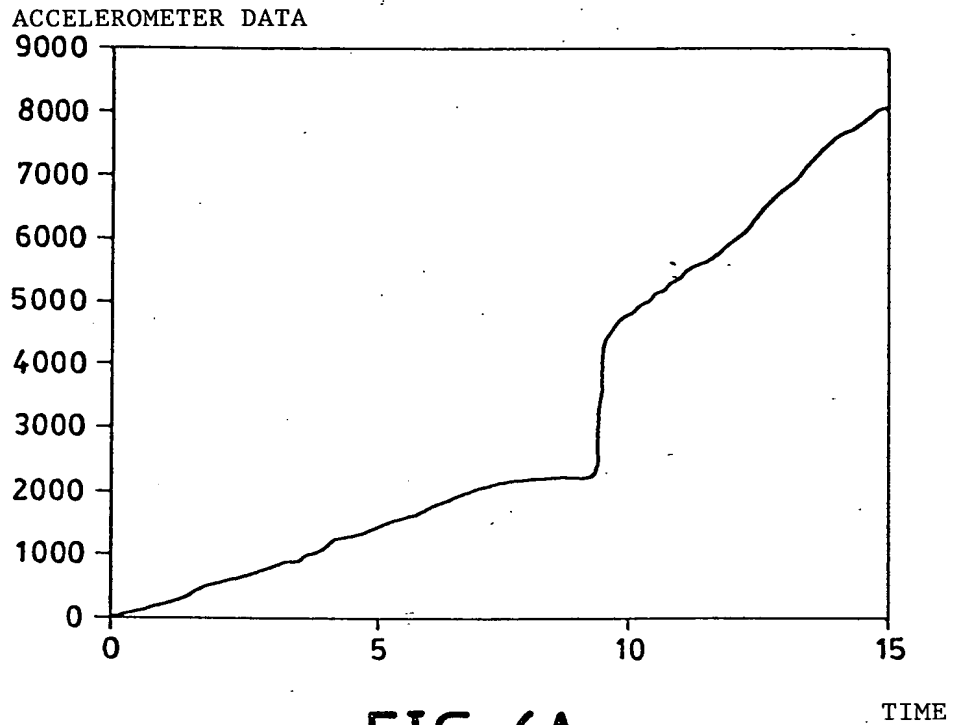


FIG. 4

0992966 110601
"0907" 9952550



0992966-110601

ACCELEROMETER DATA

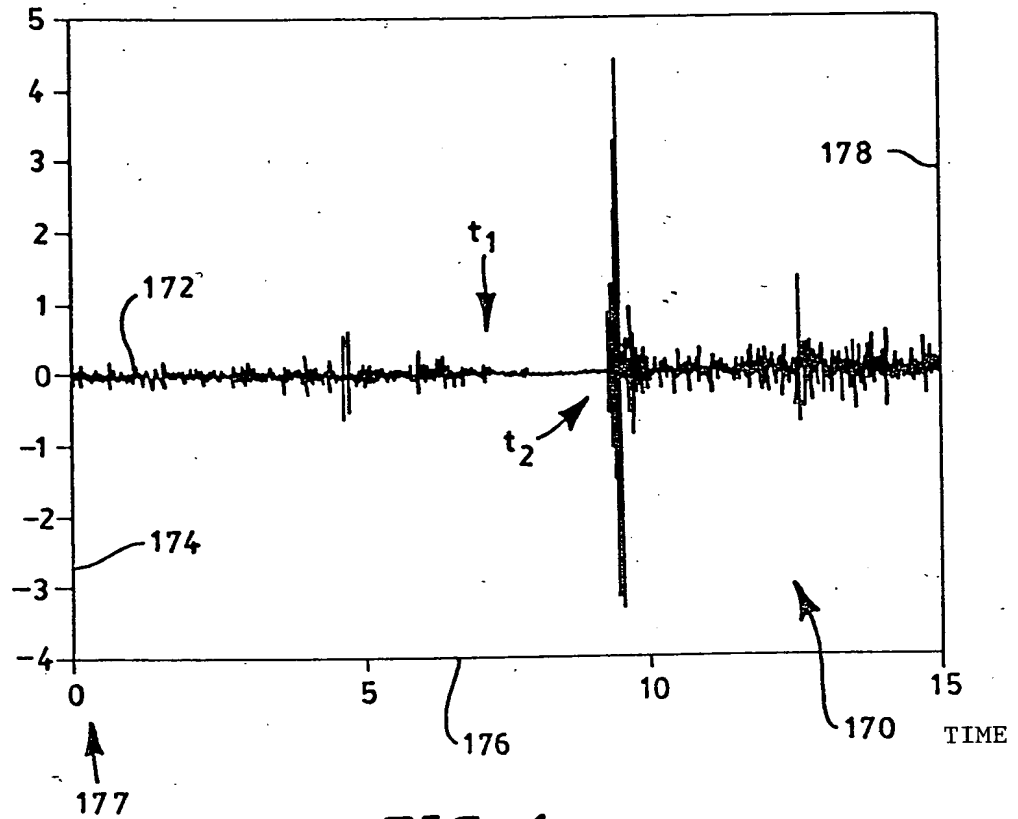


FIG. 6

VIBRATIONAL OR SOUND
SPECTRUM MAGNITUDE

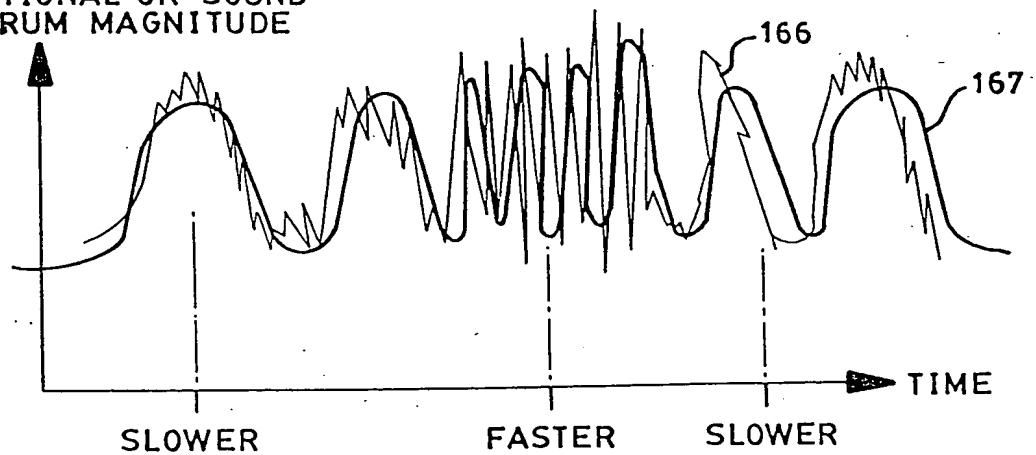


FIG. 8

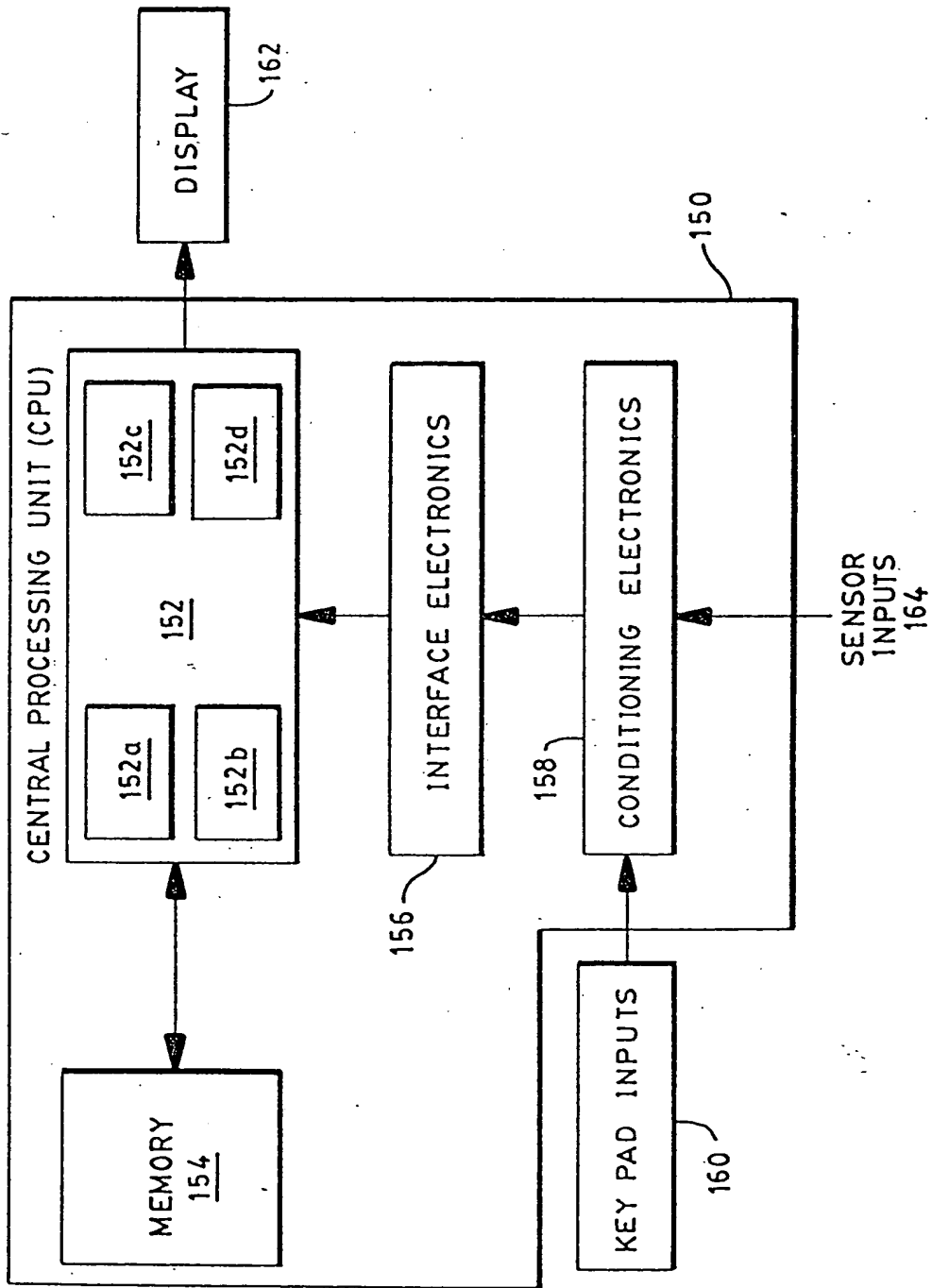


FIG. 7

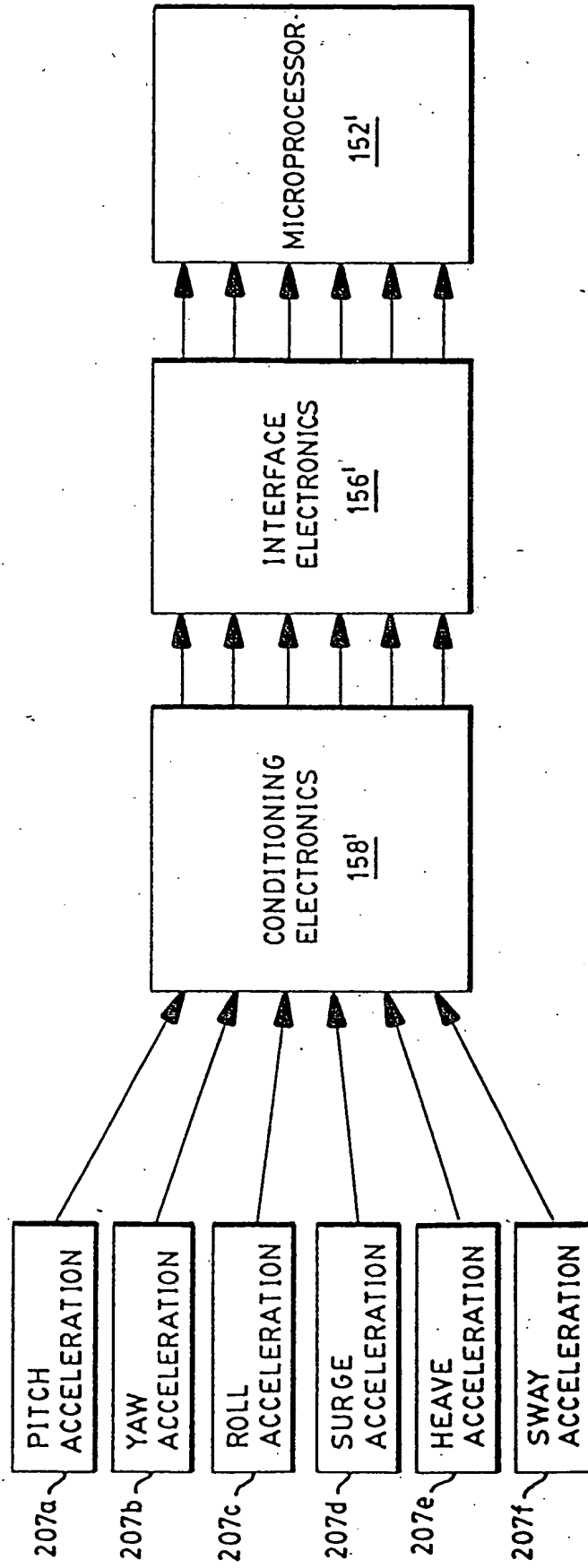


FIG. 9

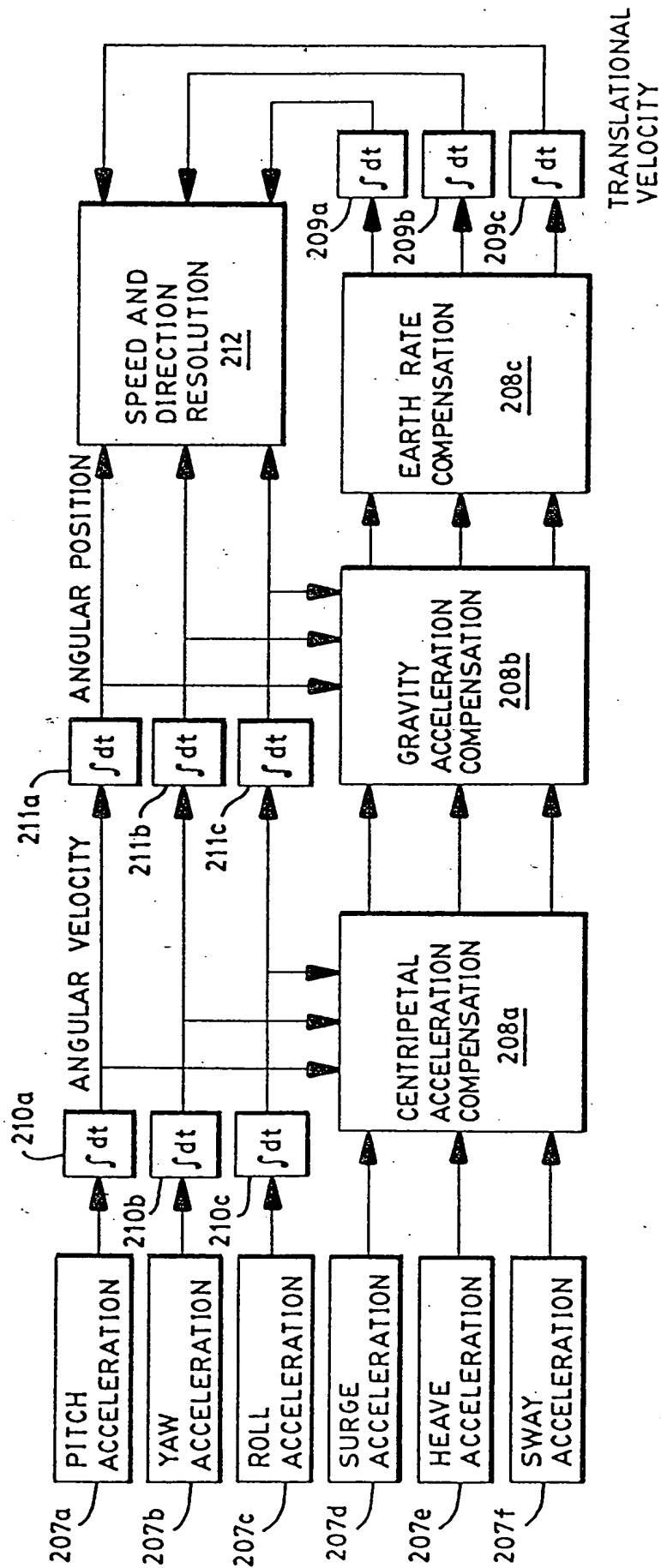


FIG. 10

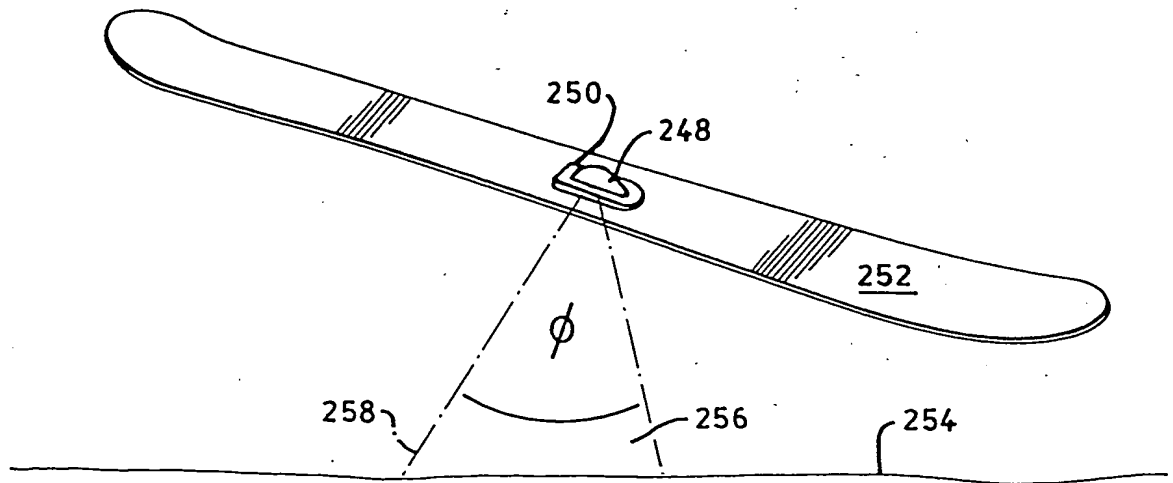


FIG. 11

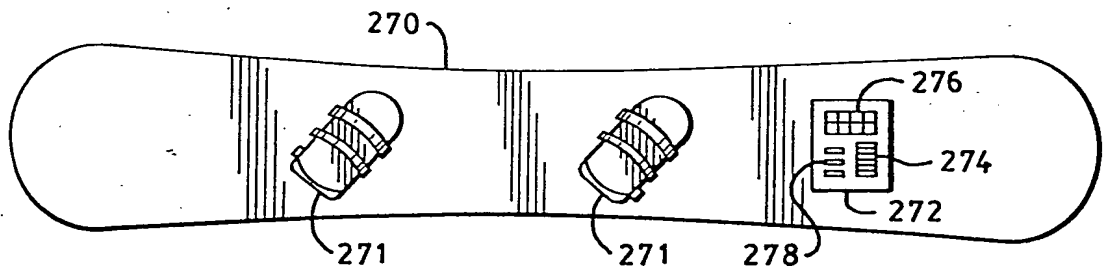


FIG. 12

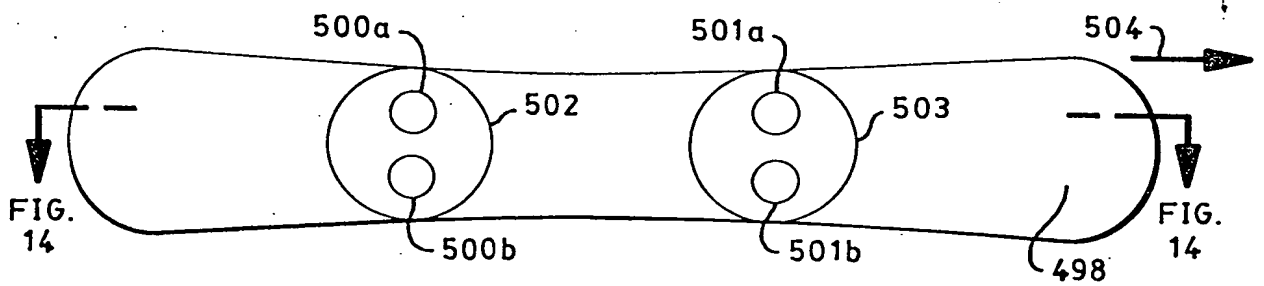


FIG. 13

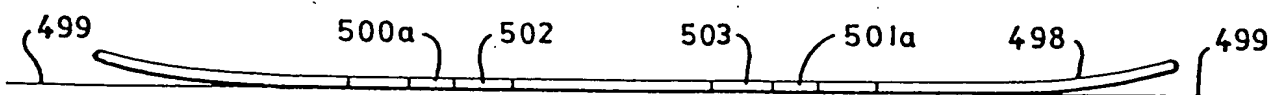


FIG. 14

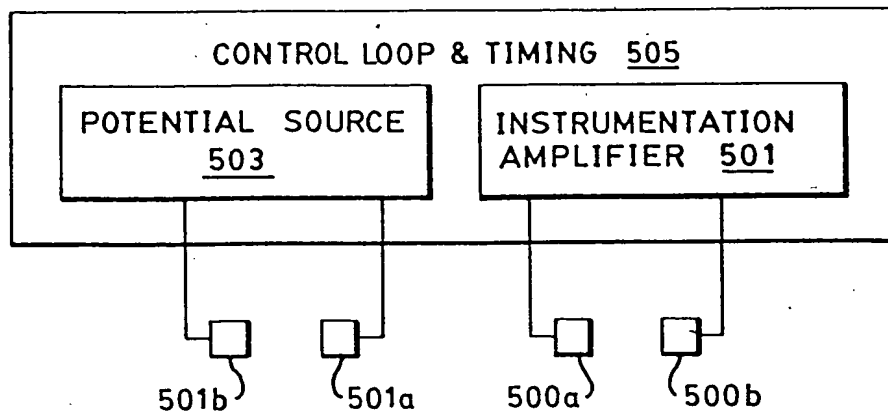


FIG. 15

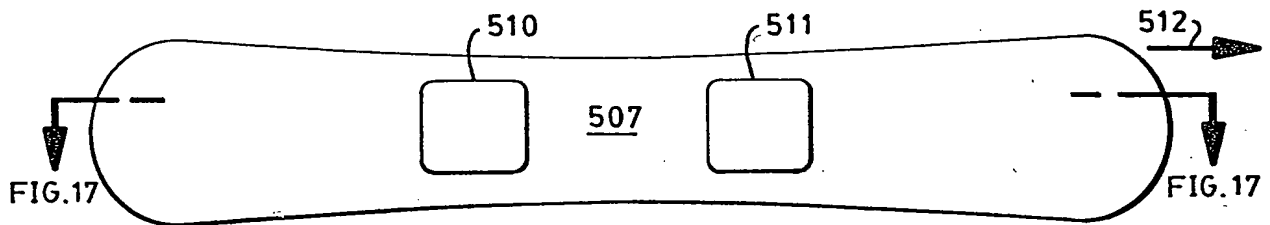


FIG. 16

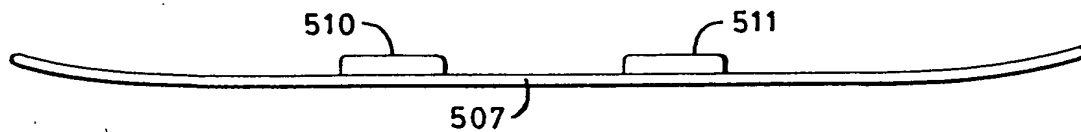


FIG. 17

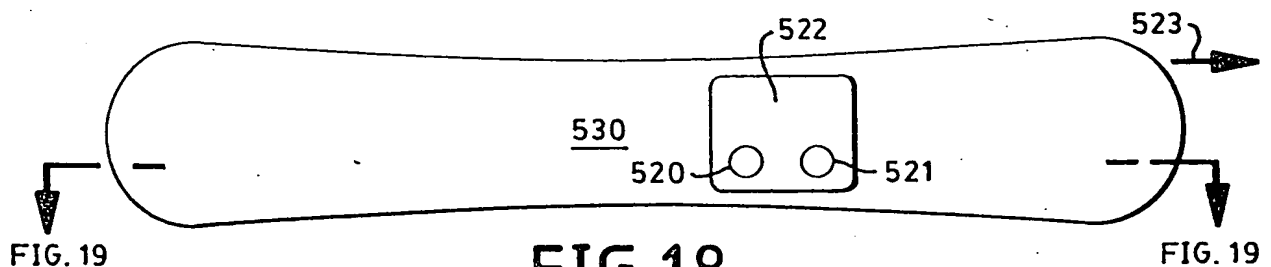


FIG. 18

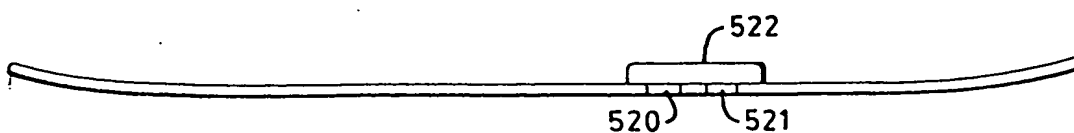


FIG. 19

FIG. 15

00000000000000000000000000000000



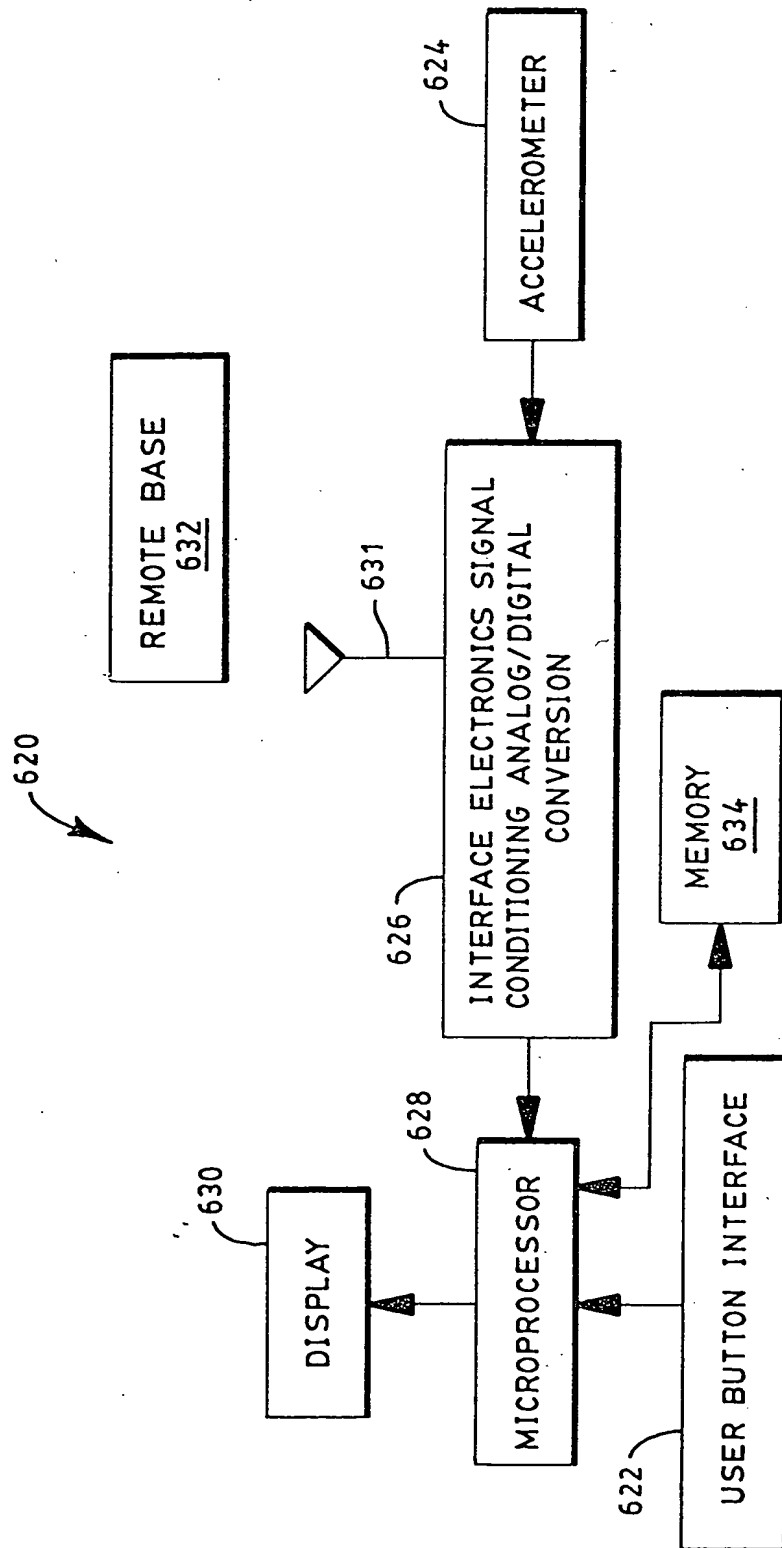


FIG. 21

FOOT" 9962650

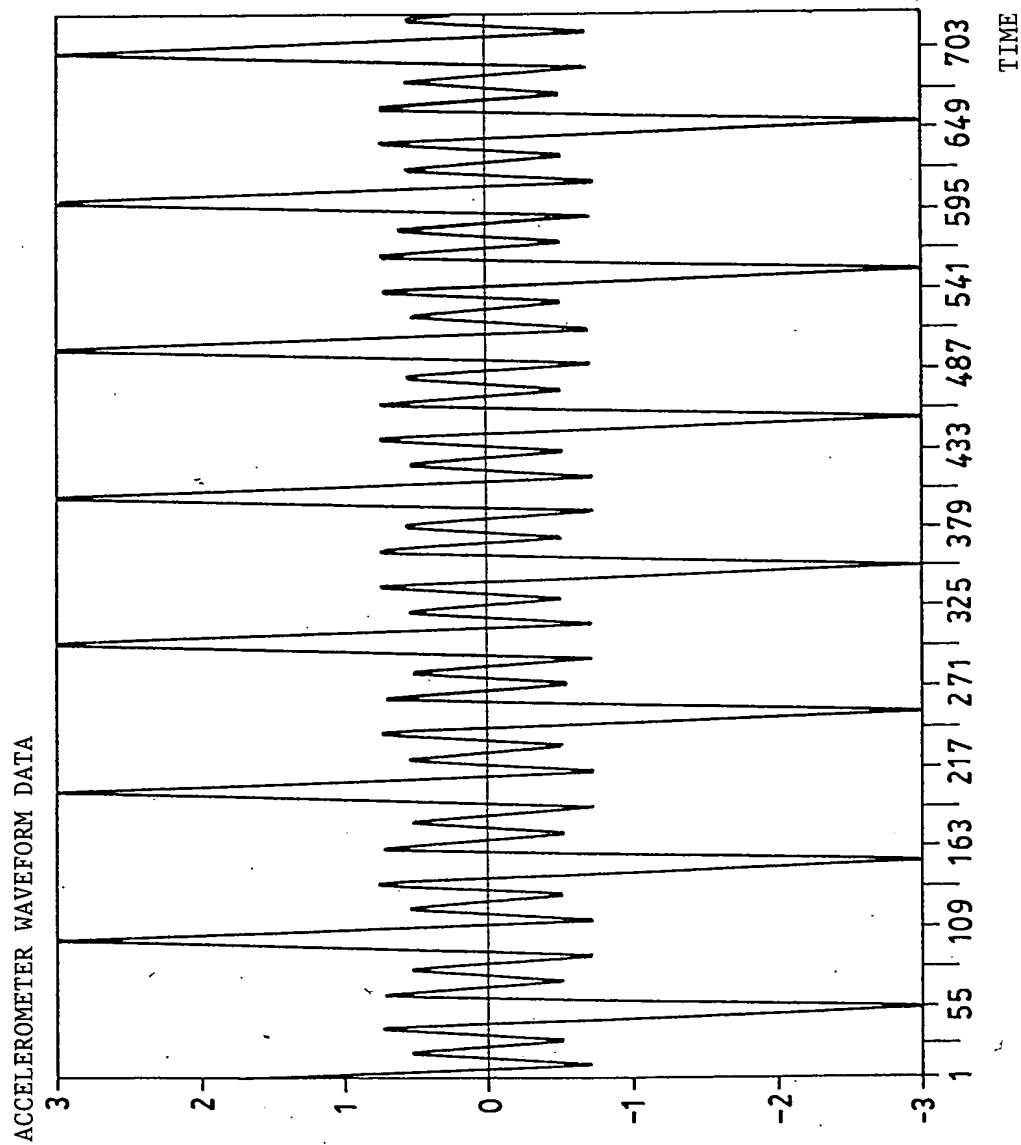


FIG. 22

FOOT" 99625560

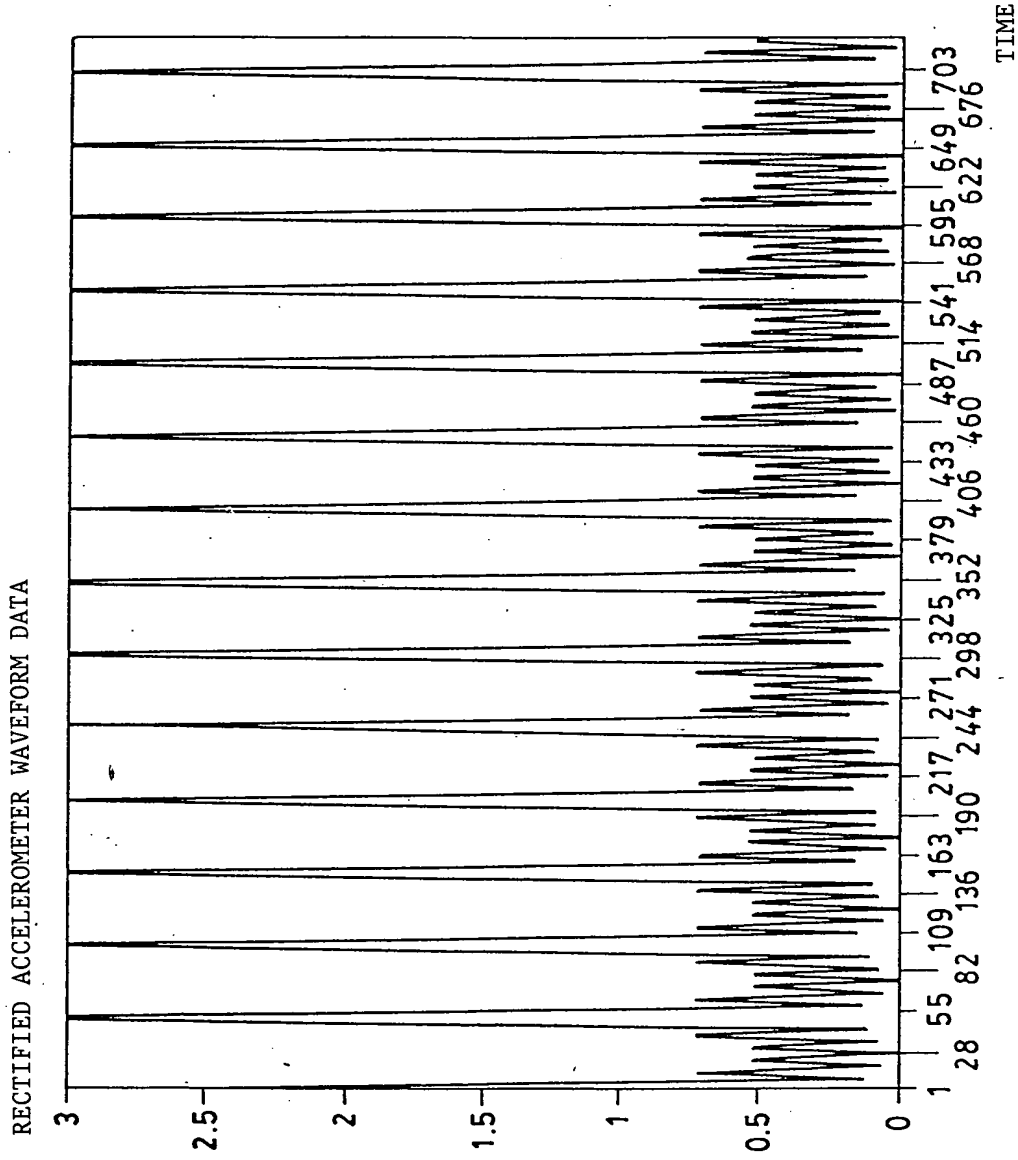


FIG. 23

TD90T" 93626650

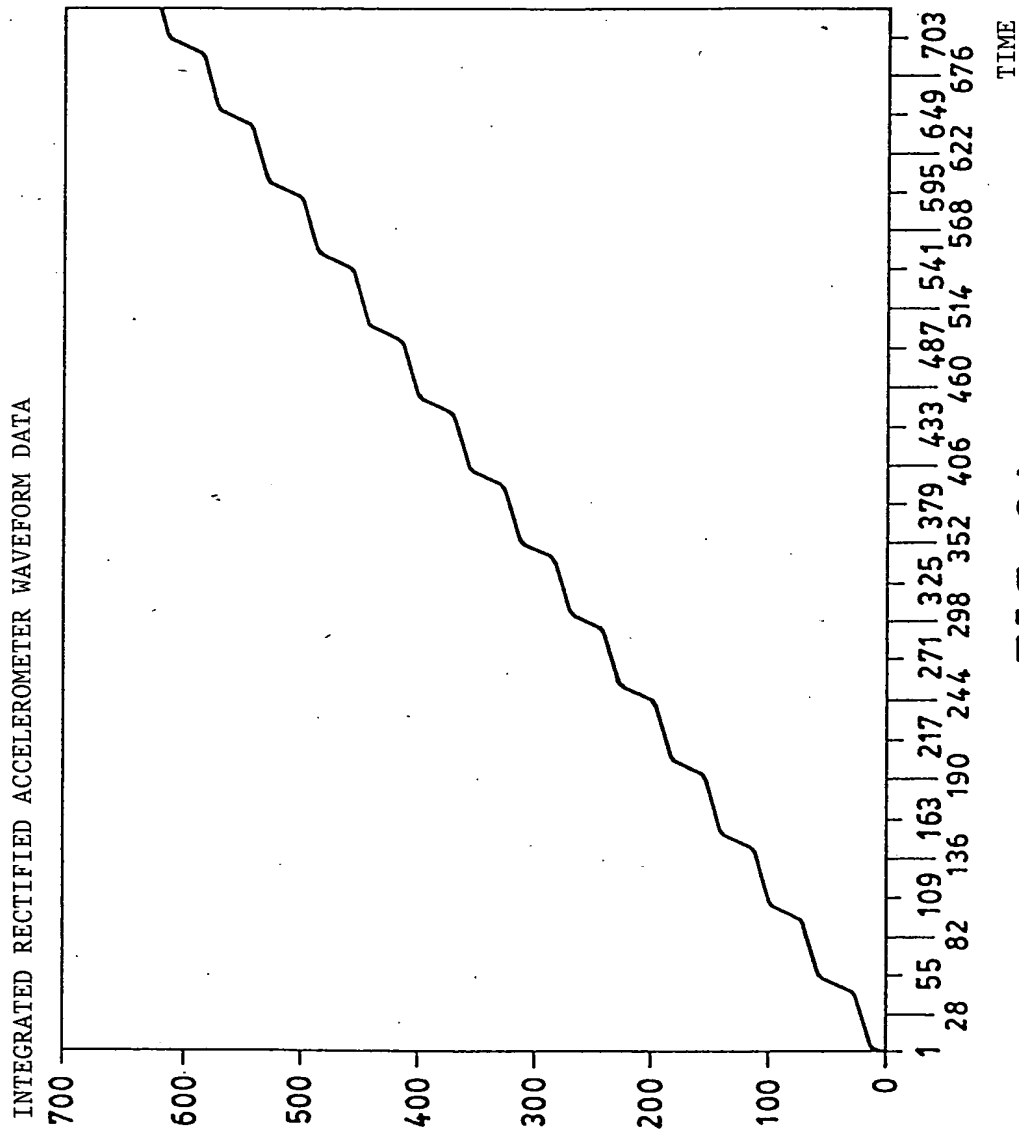


FIG. 24

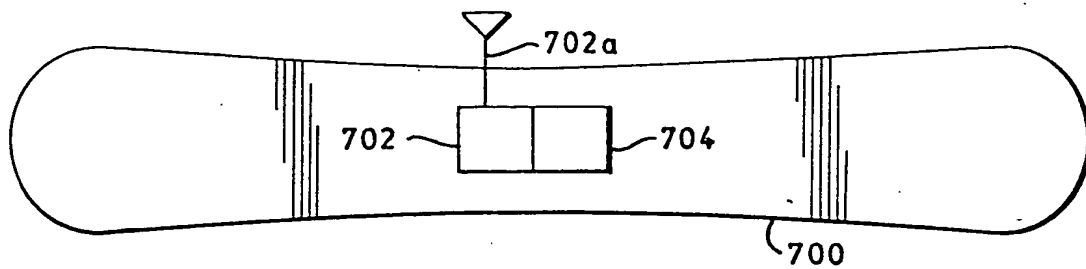


FIG. 25

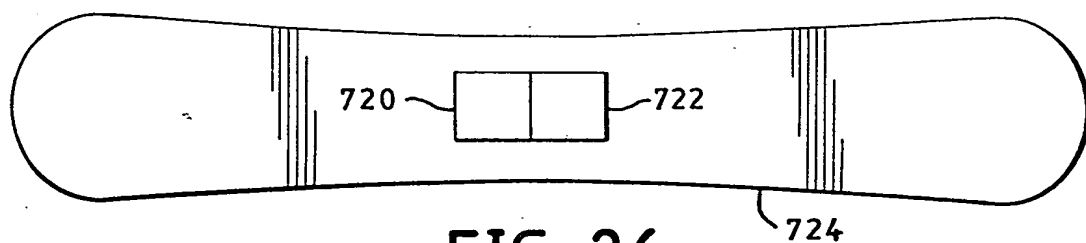


FIG. 26

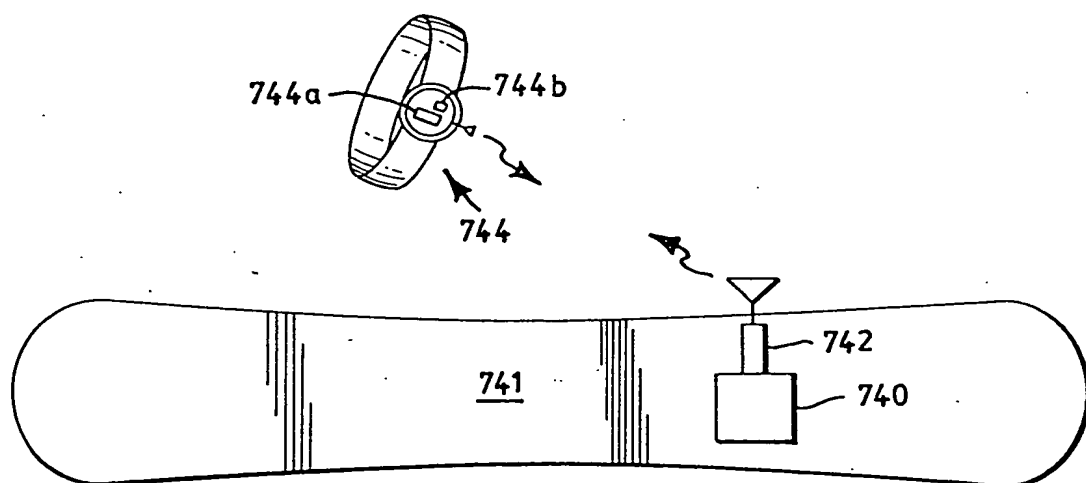


FIG. 27

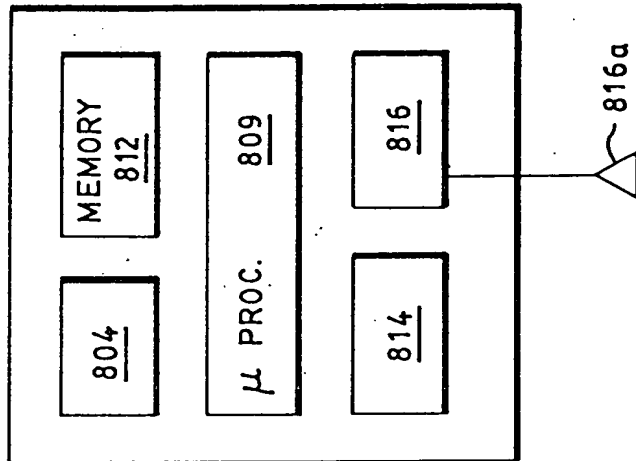
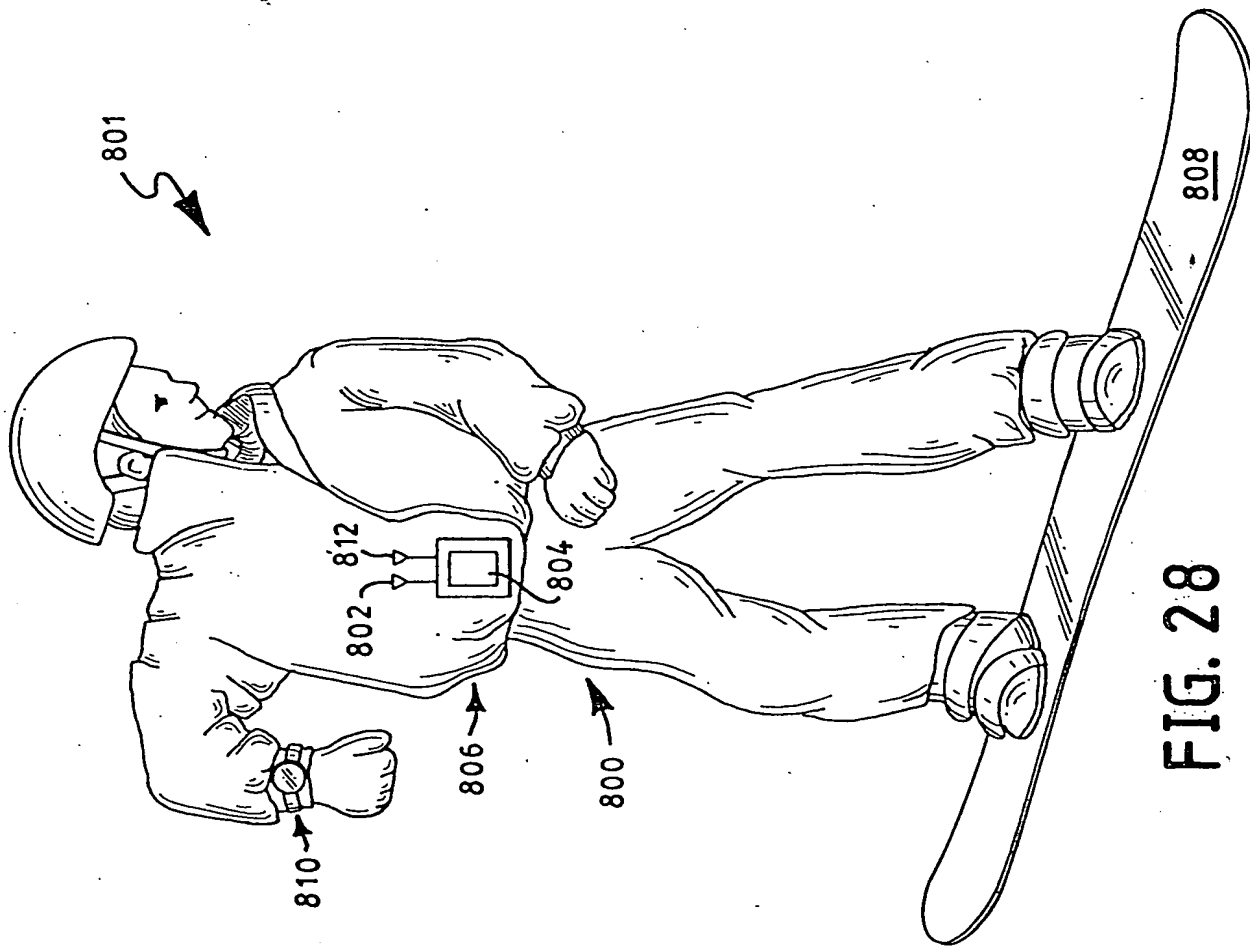


FIG. 29

FIG. 28

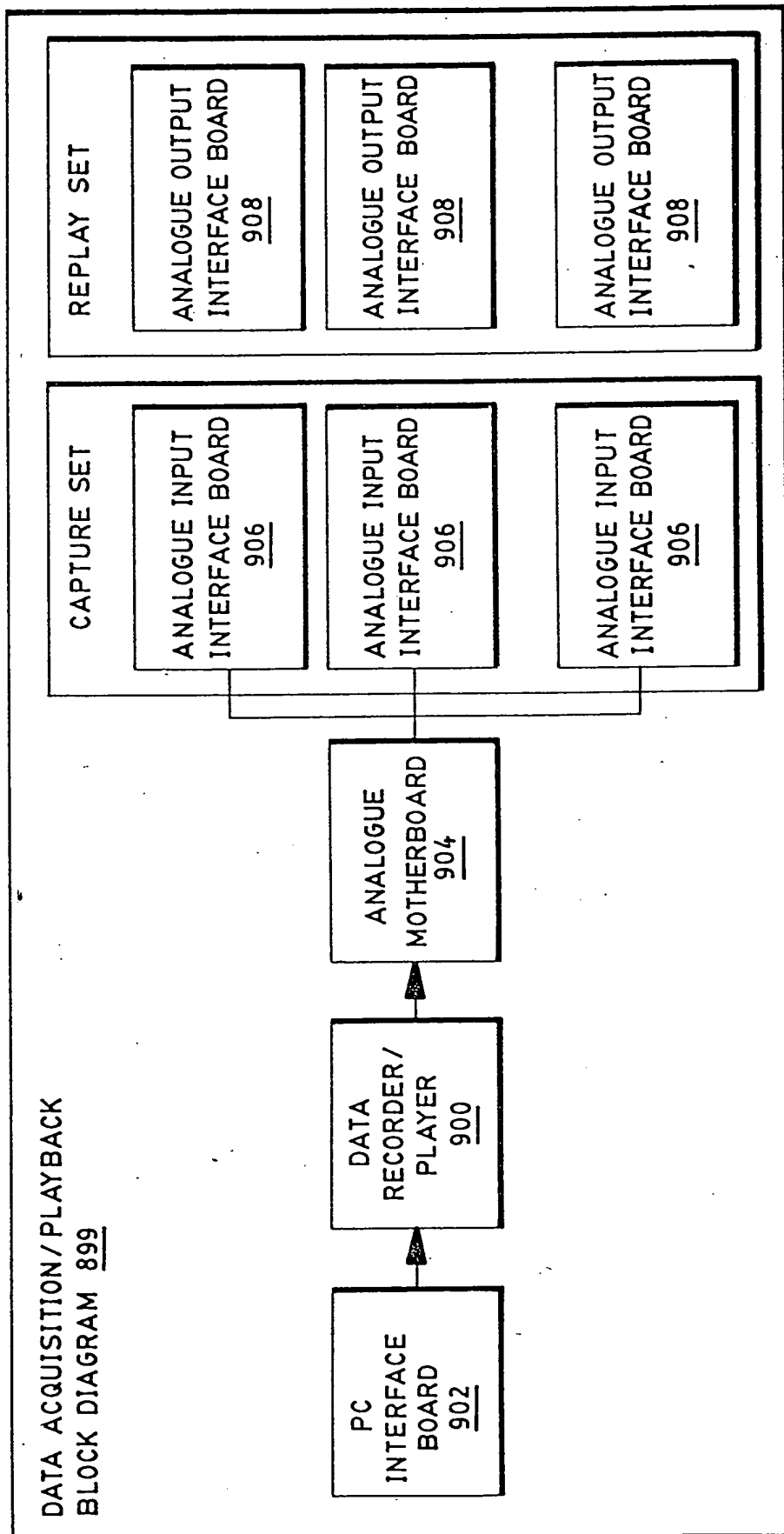


FIG. 30

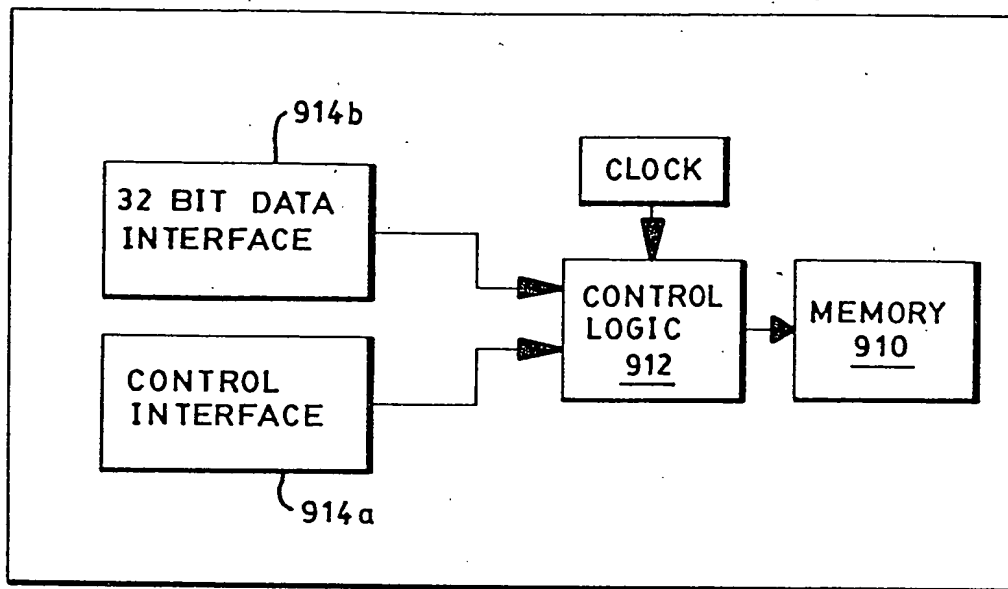


FIG. 31

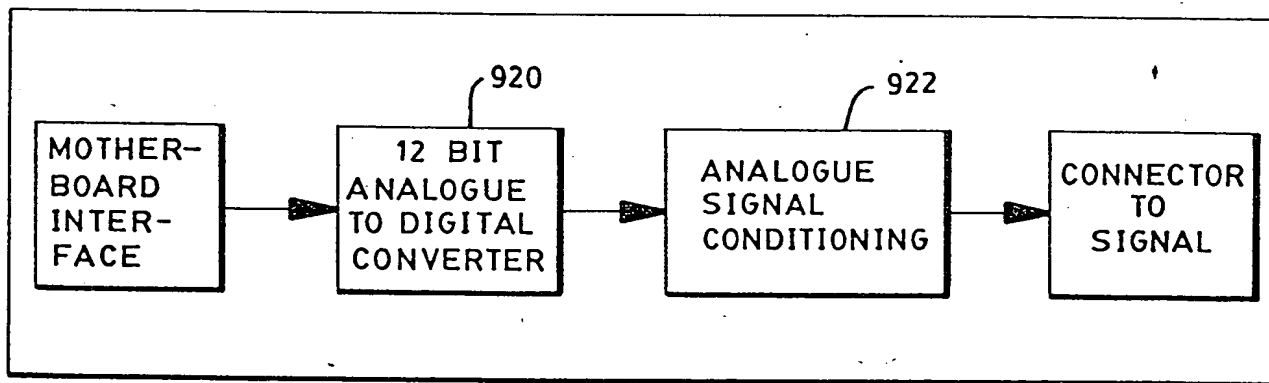


FIG. 33

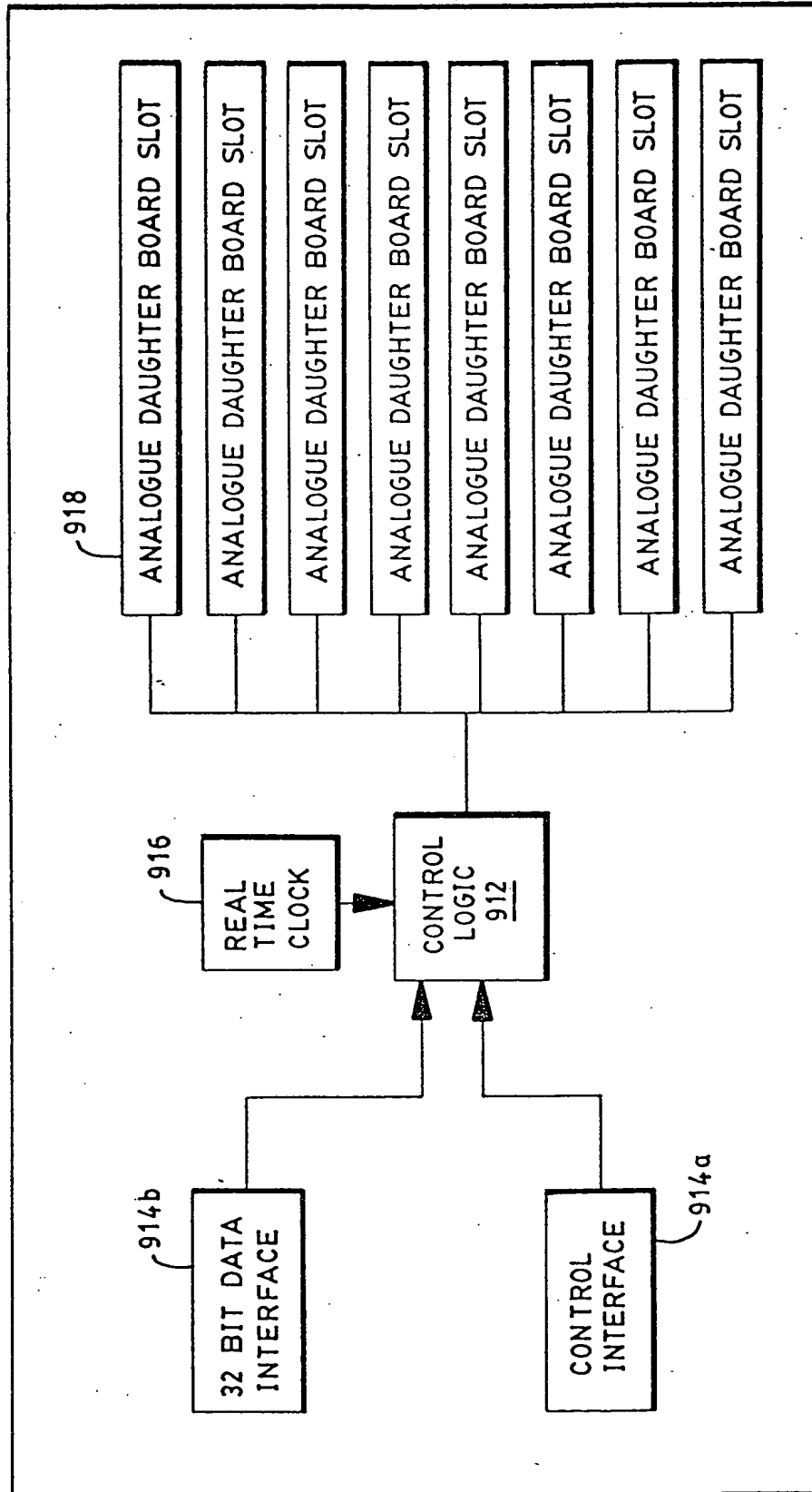


FIG. 32

930

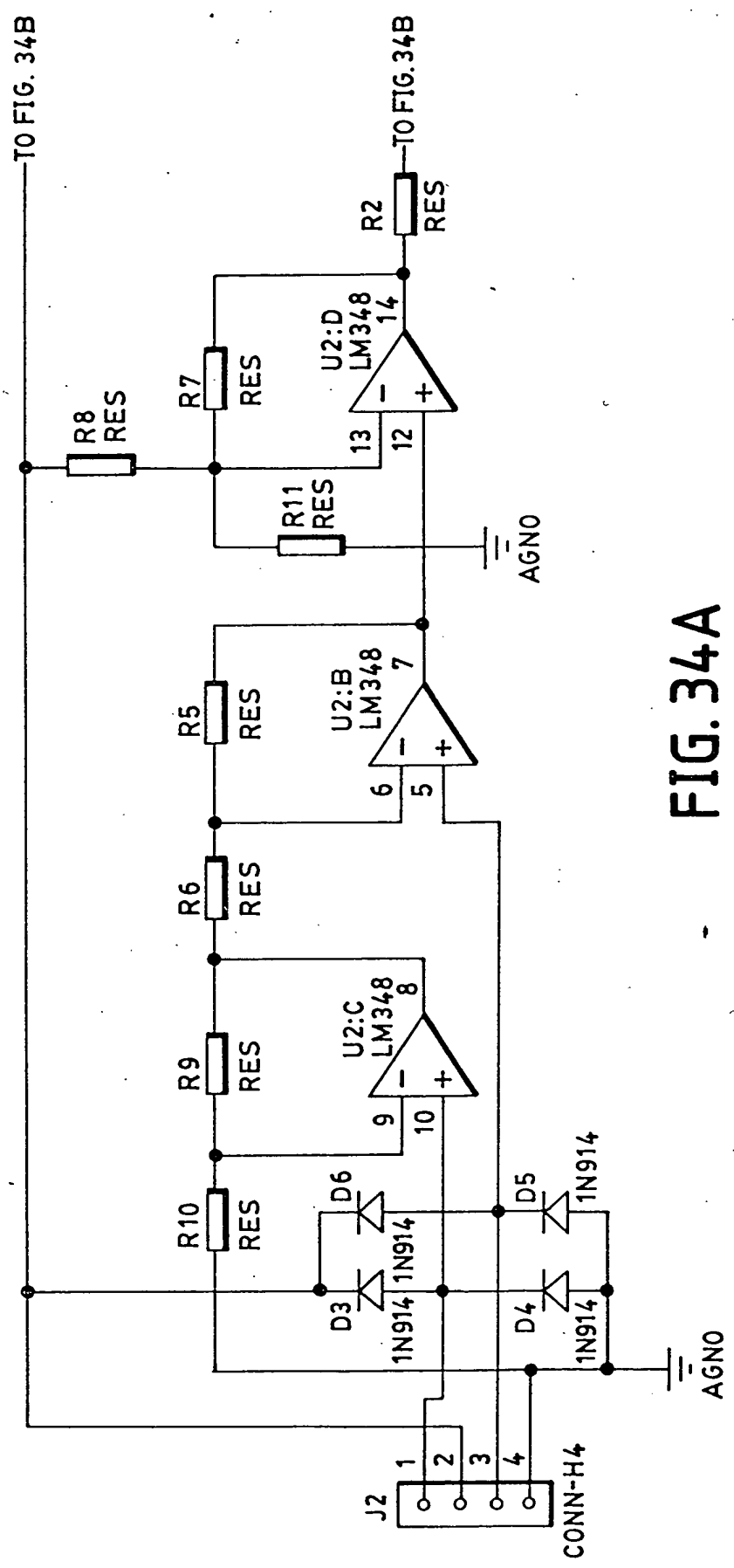
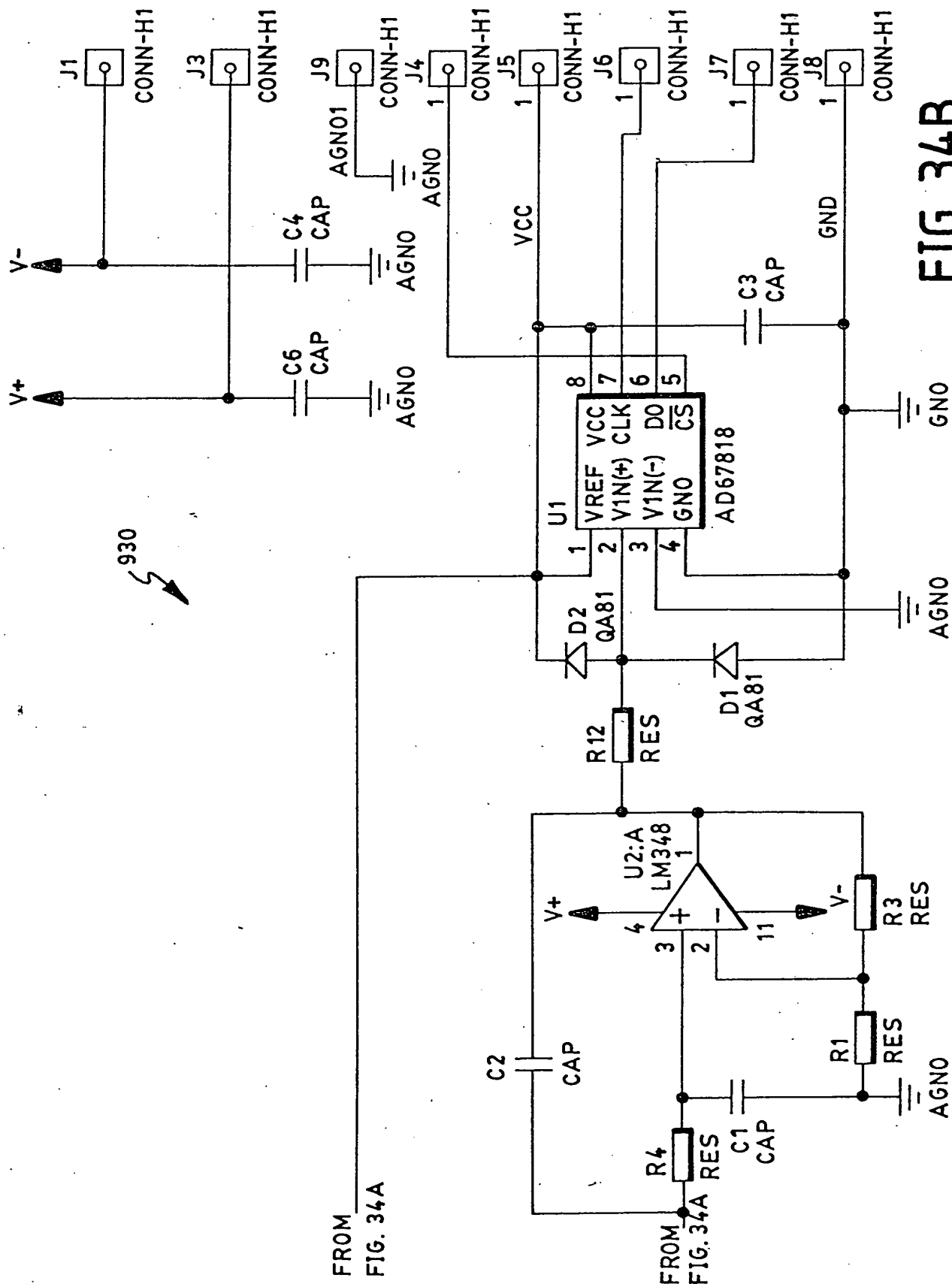


FIG. 34A



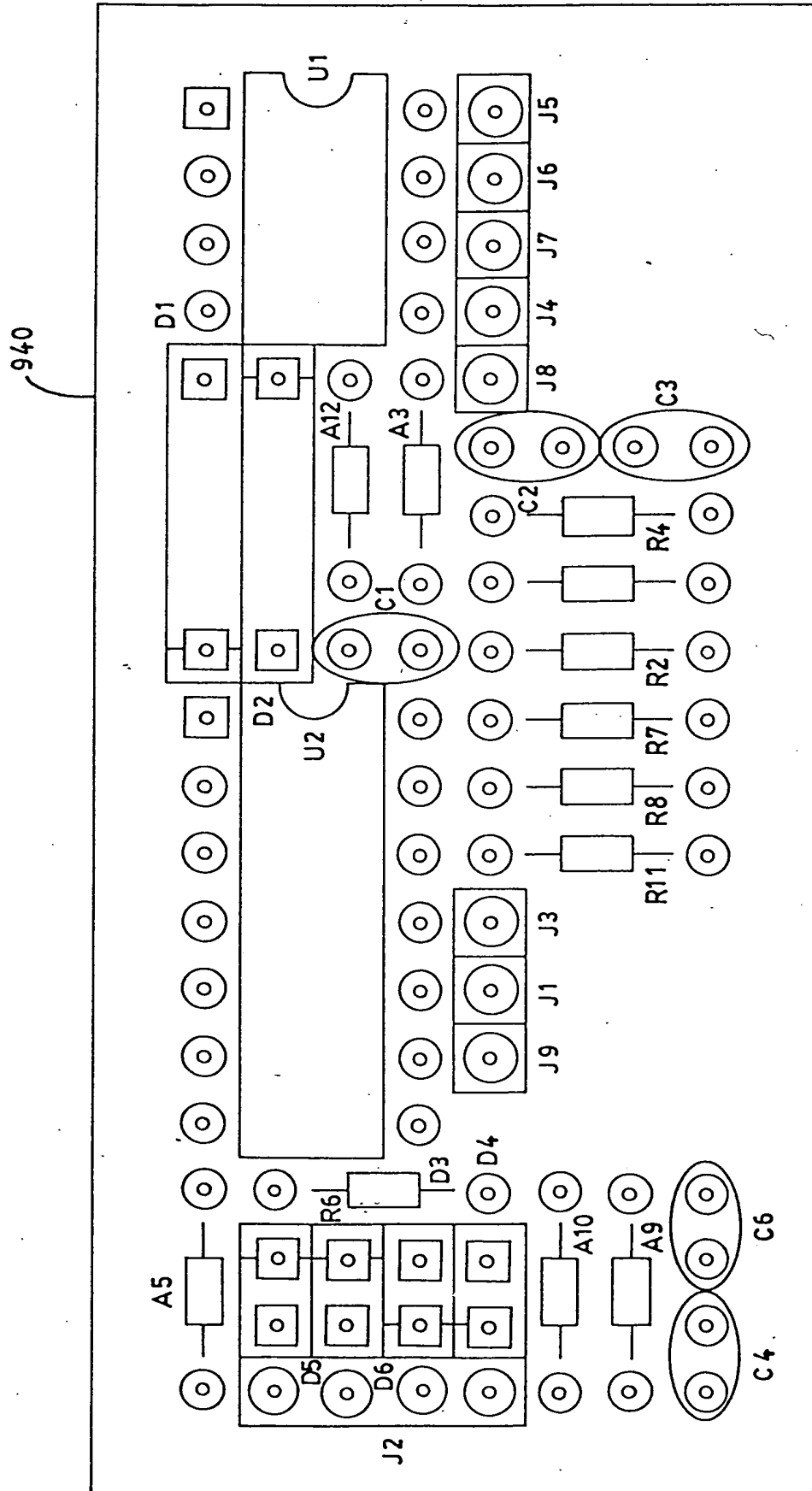


FIG. 35

FIG. 36

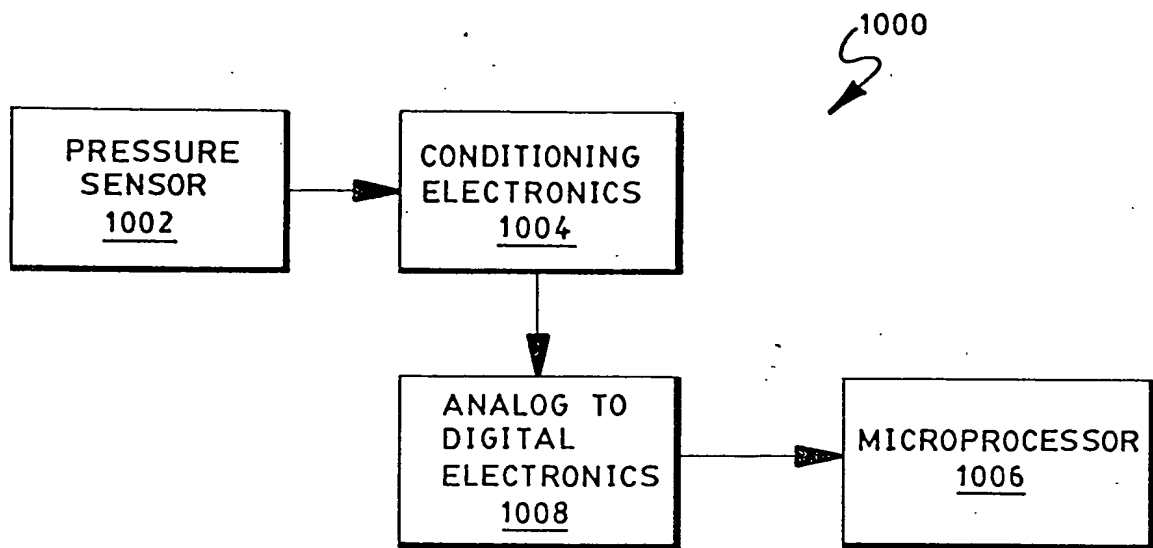


FIG. 36

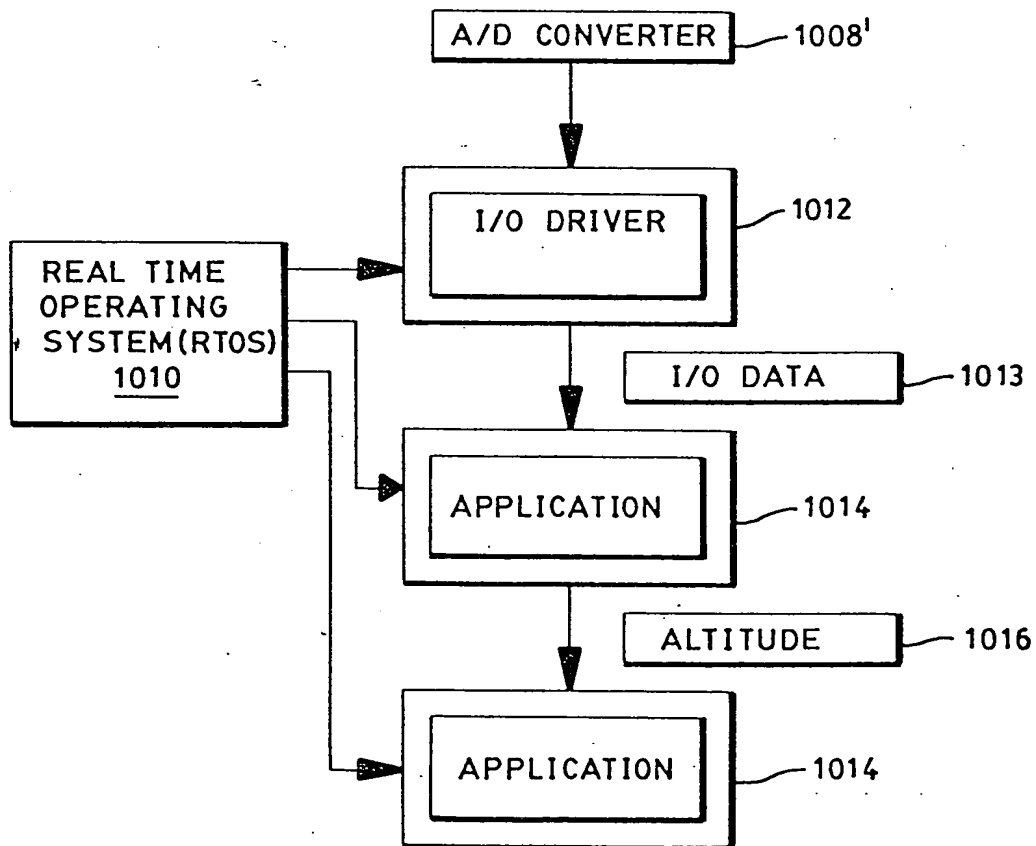


FIG. 37

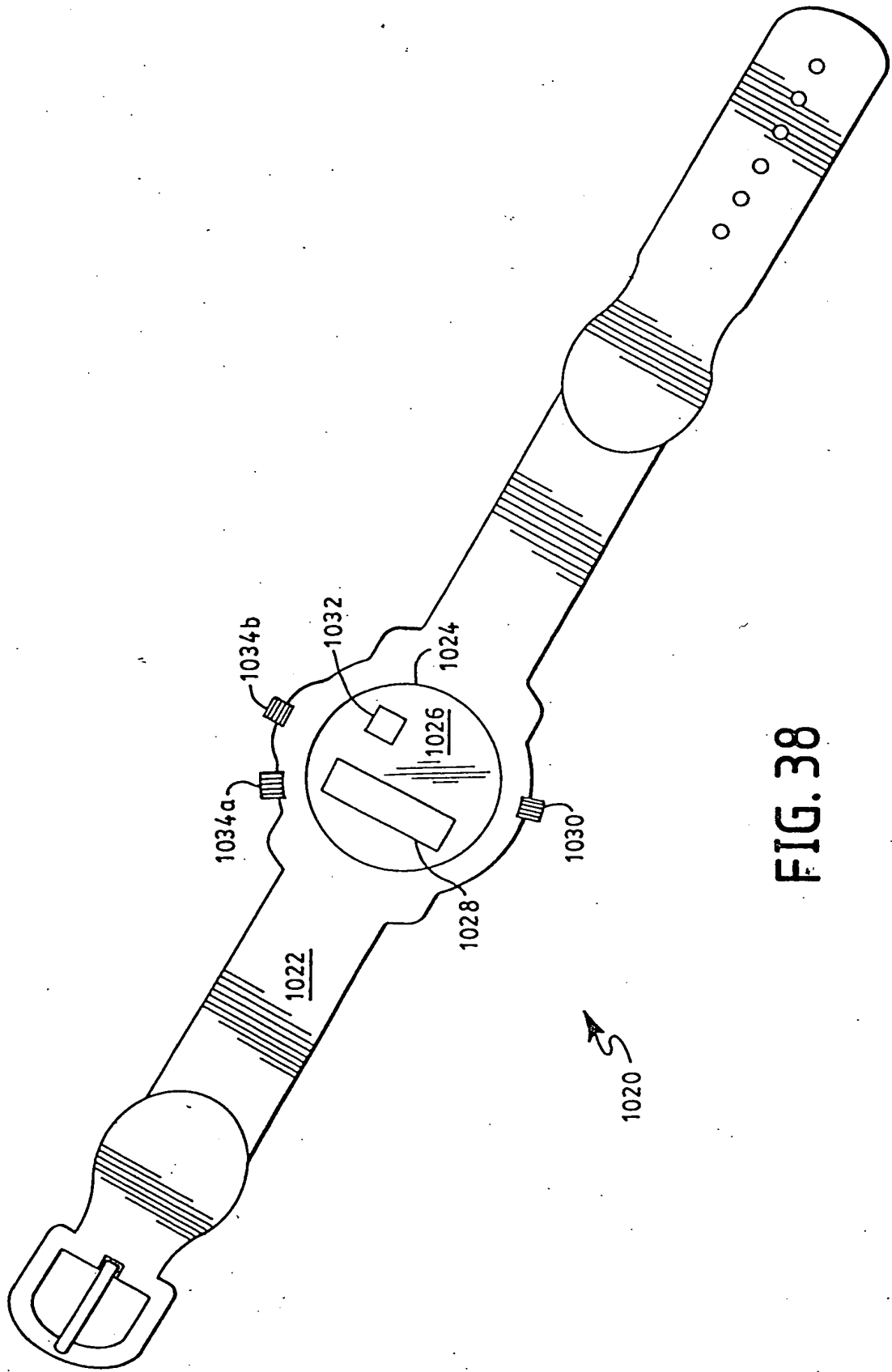


FIG. 38

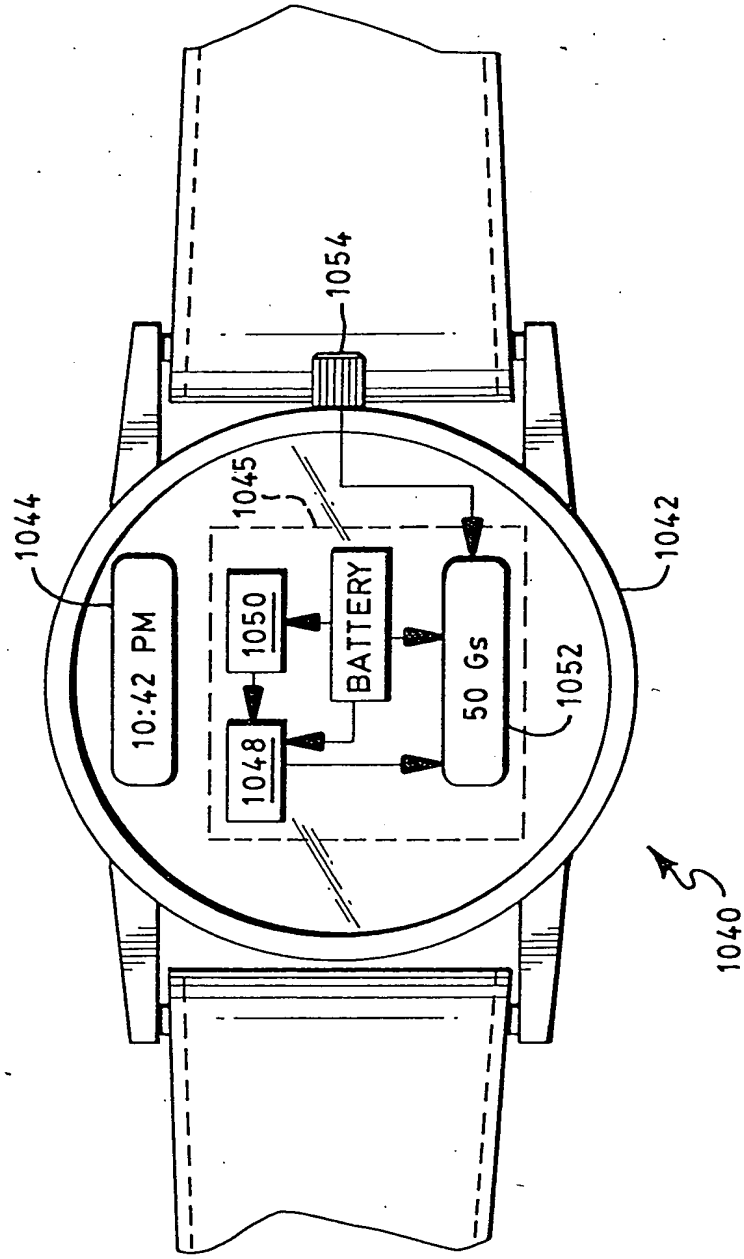


FIG. 39

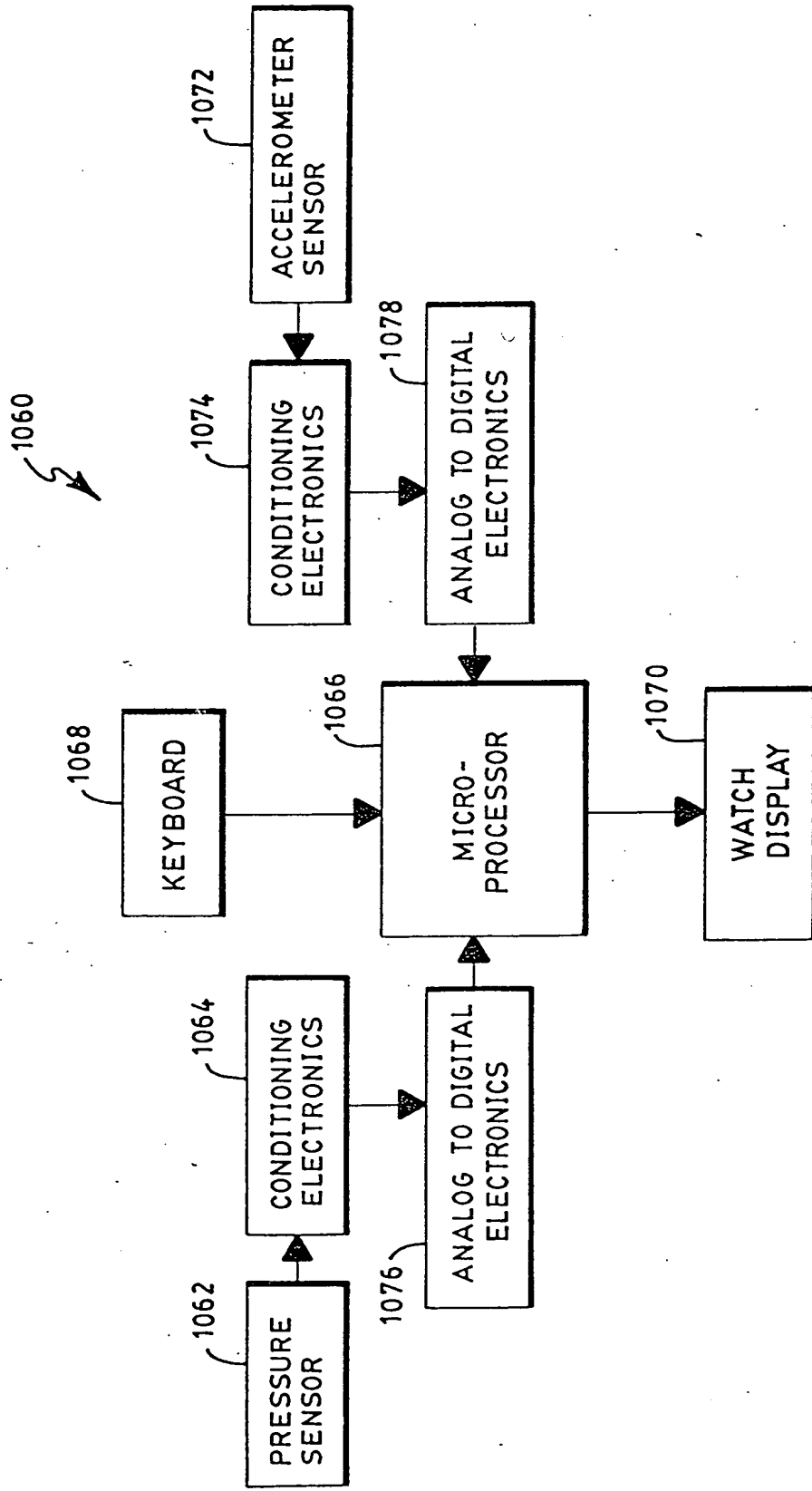


FIG. 40

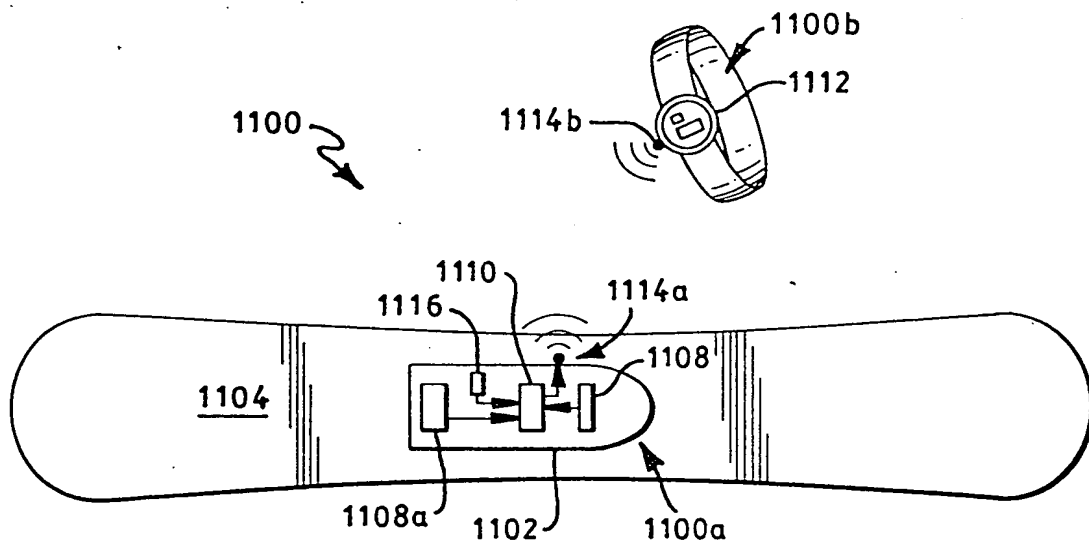


FIG. 41

ACCELEROMETER SPECTRA, < 2mph

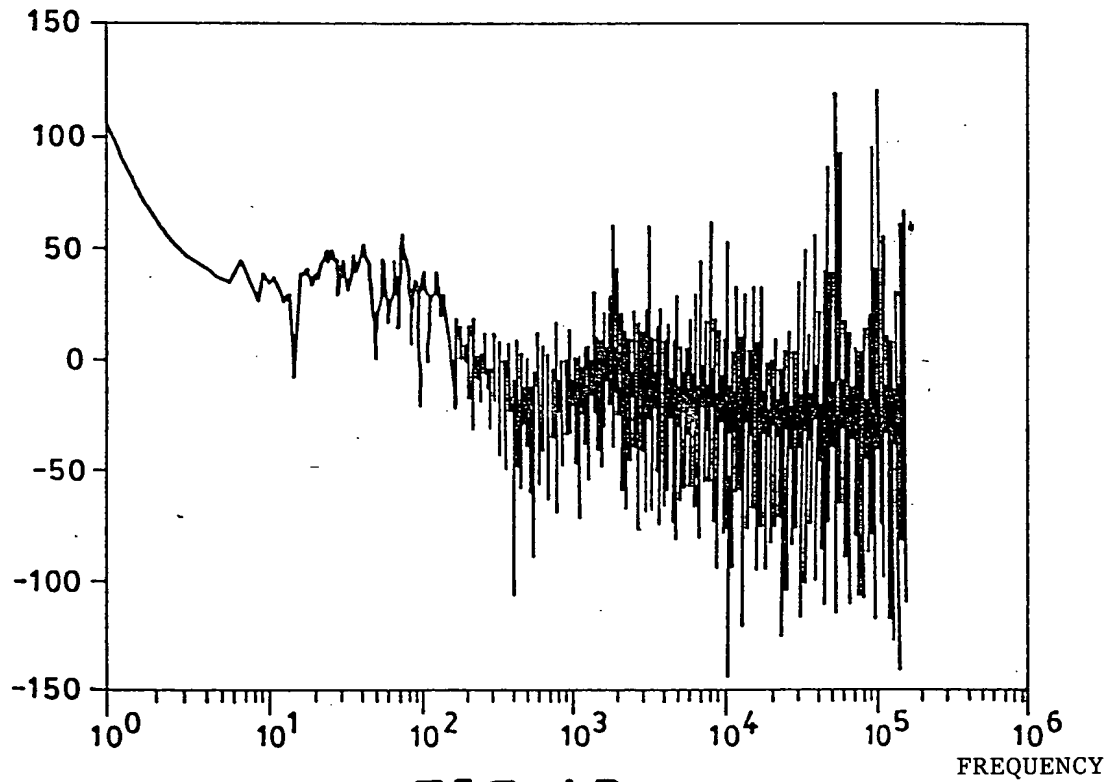


FIG. 43

09992956-110501

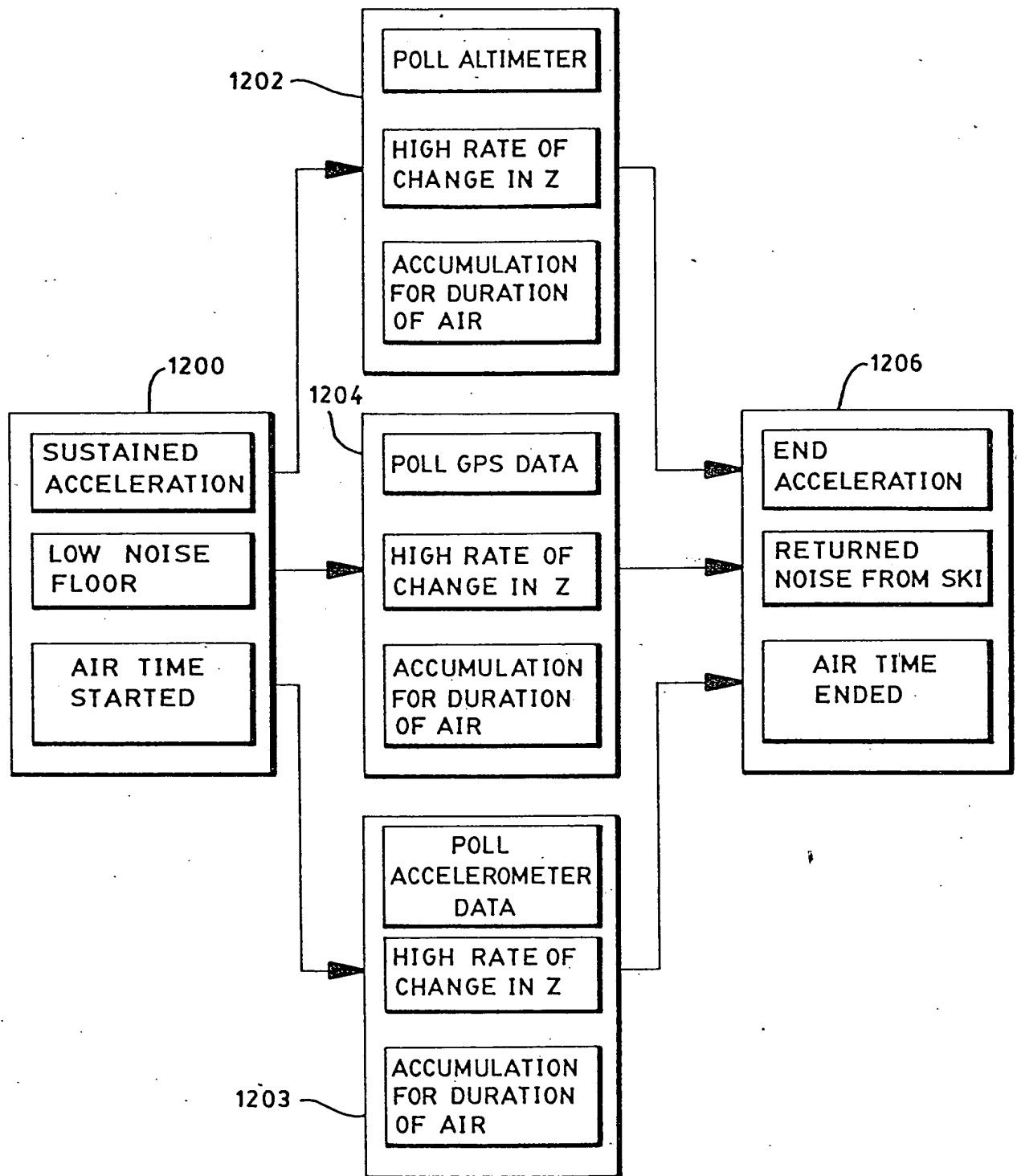


FIG. 42

09926650 110601

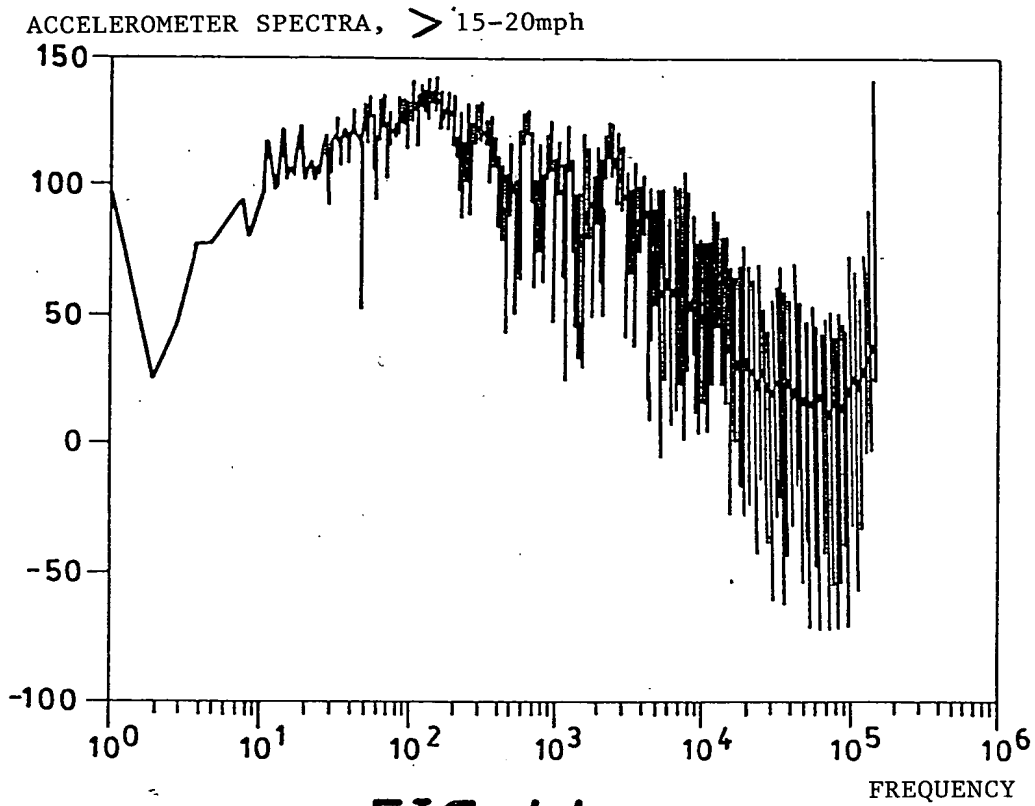


FIG. 44

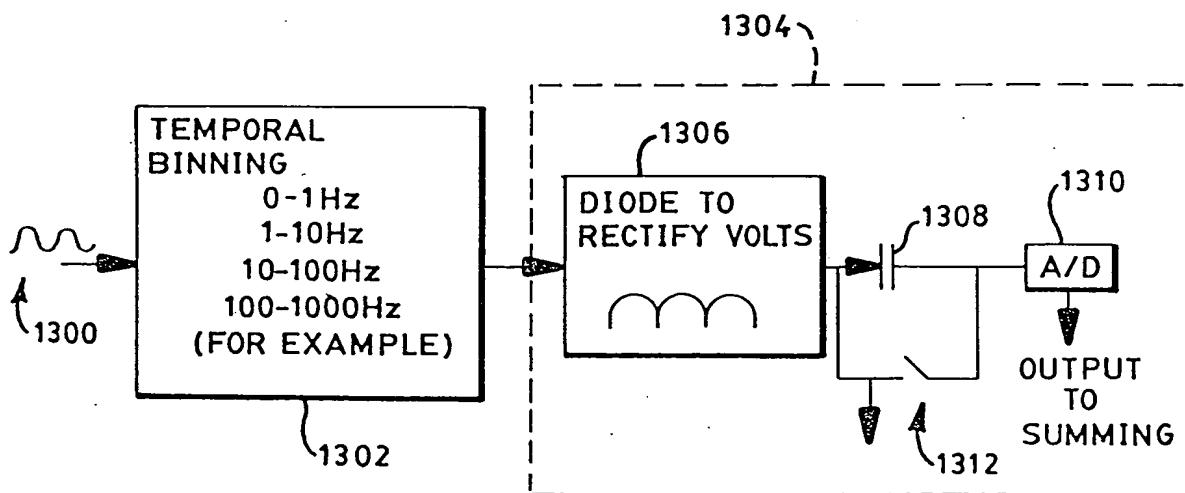


FIG. 45

FIG. 46

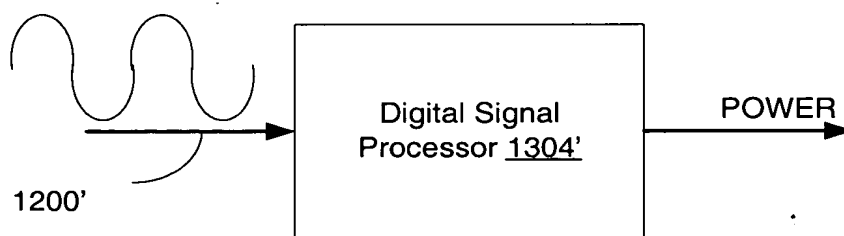


FIG. 46

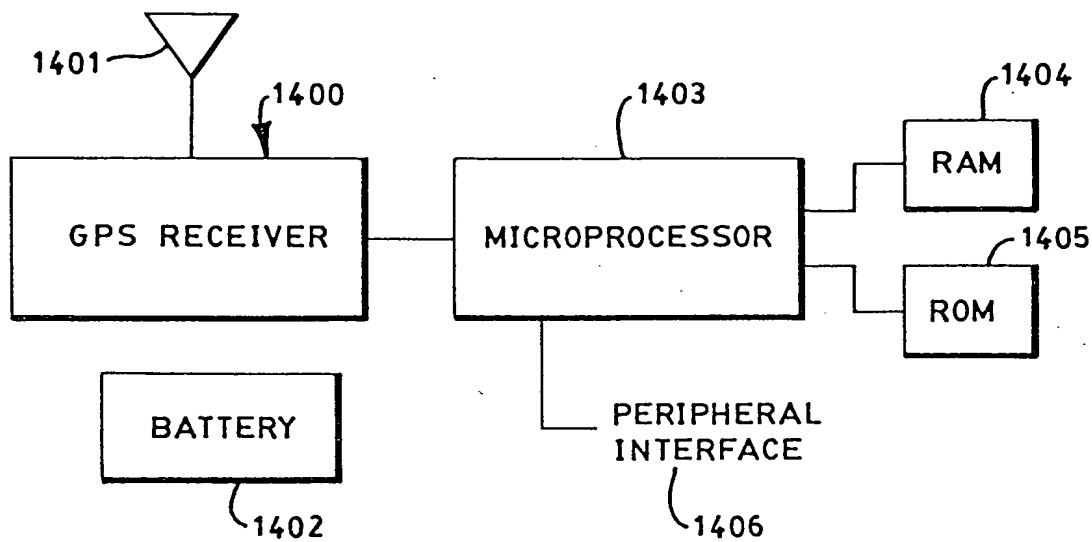


FIG. 47

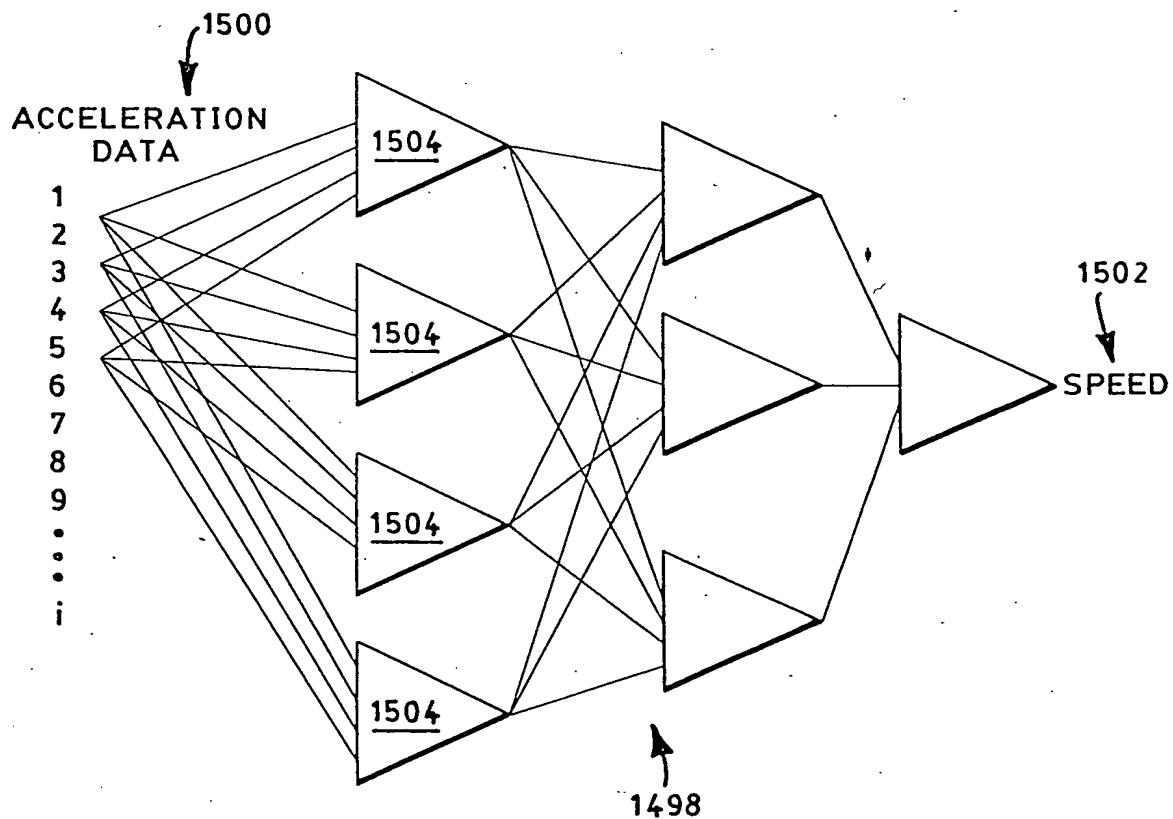


FIG. 48

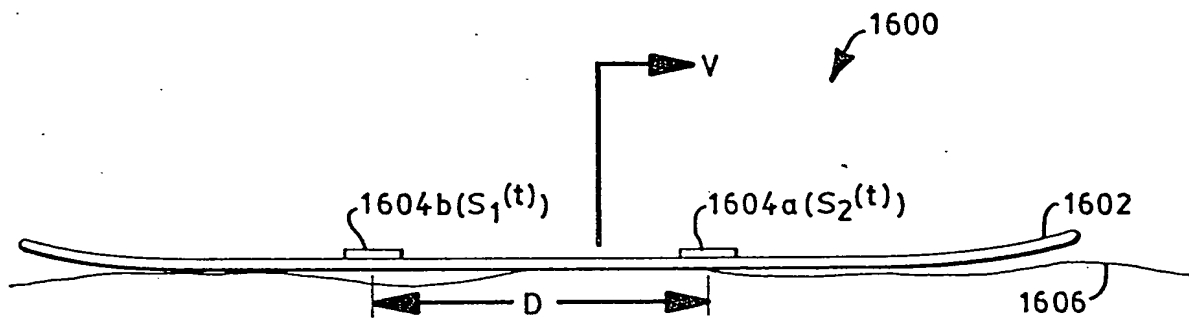


FIG. 49

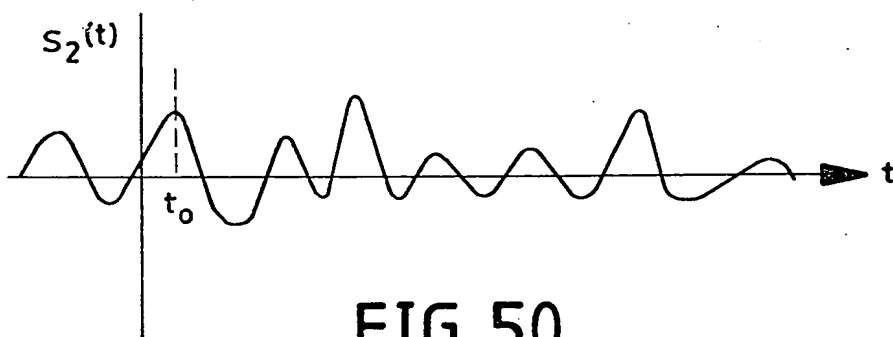


FIG. 50

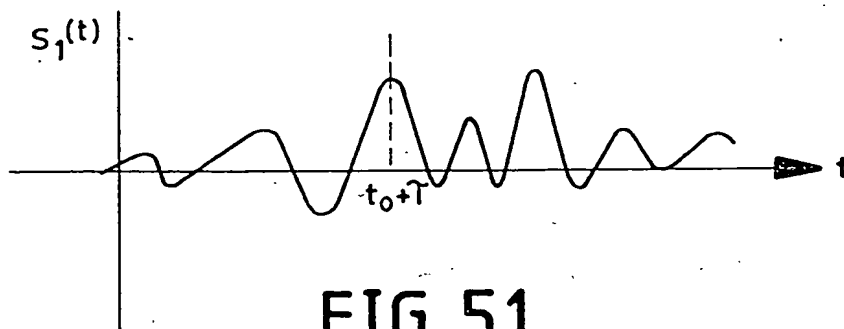
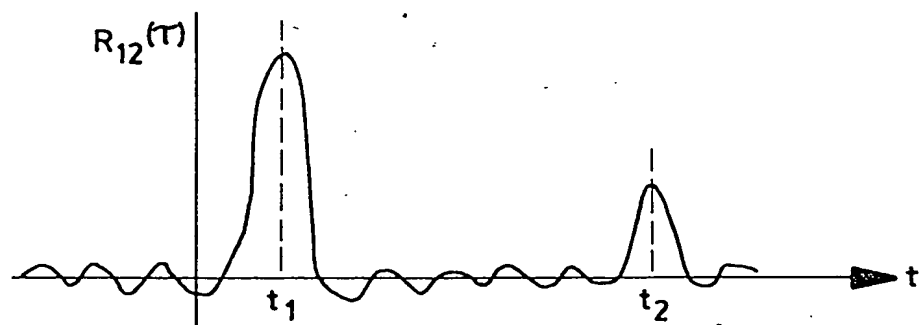


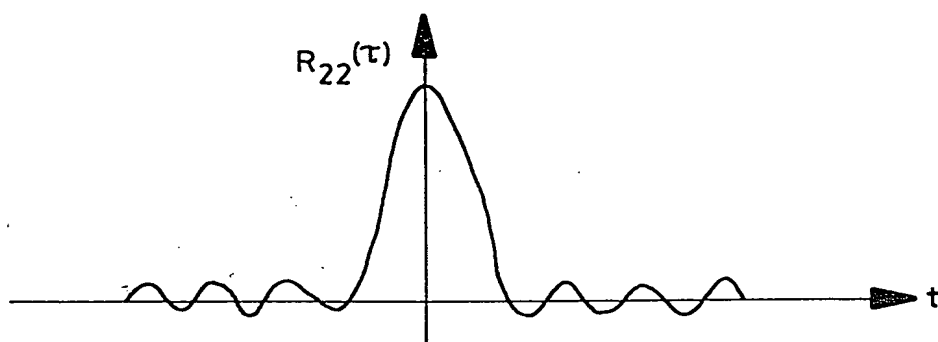
FIG. 51

FIG. 49



TYPICAL CROSS-CORRELATION FUNCTION

FIG. 52



TYPICAL AUTO-CORRELATION FUNCTION

FIG. 53

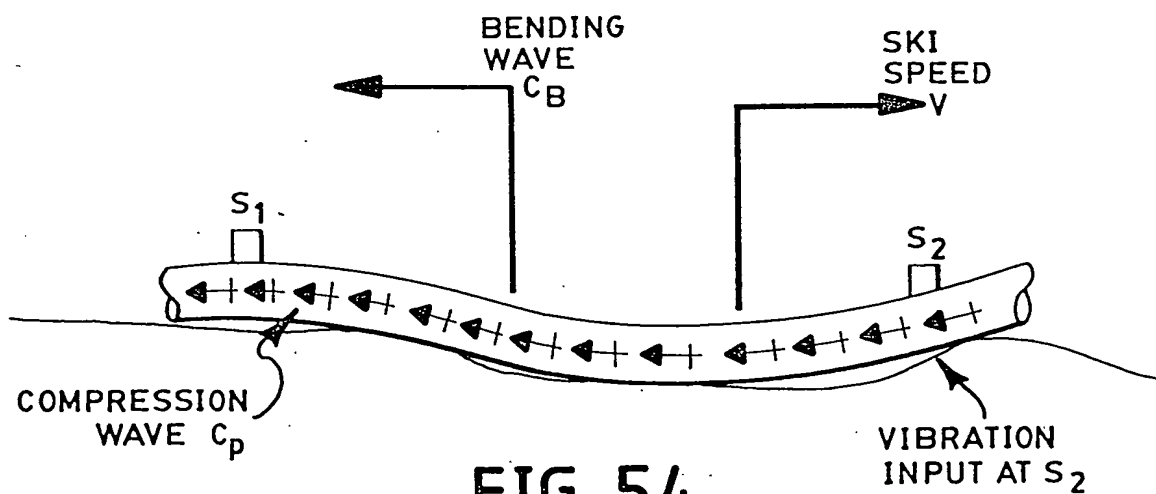


FIG. 54

0992966-110601

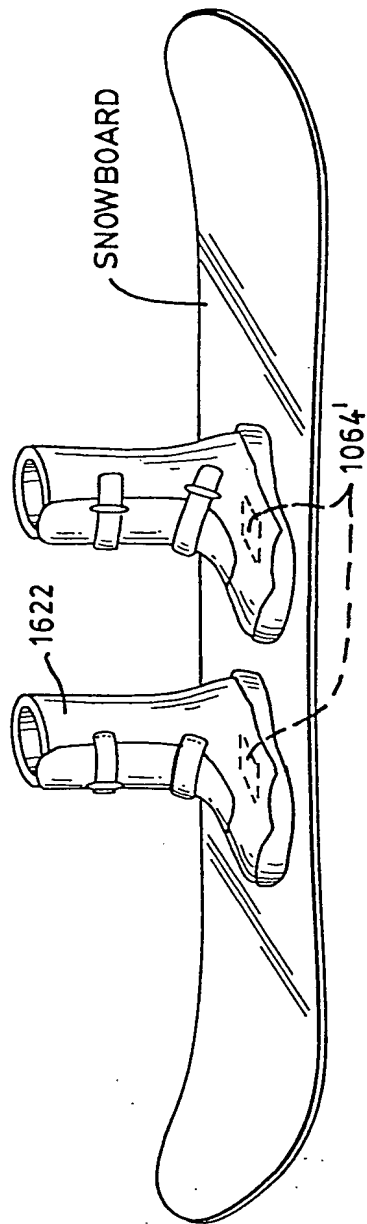


FIG. 55

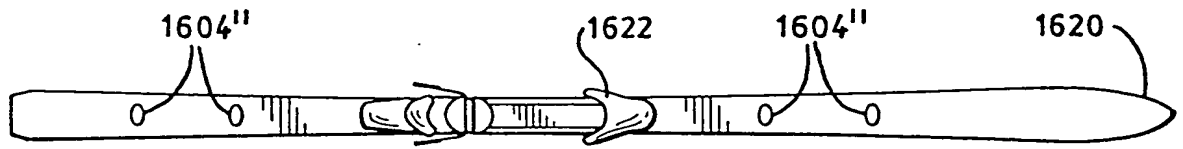


FIG. 56

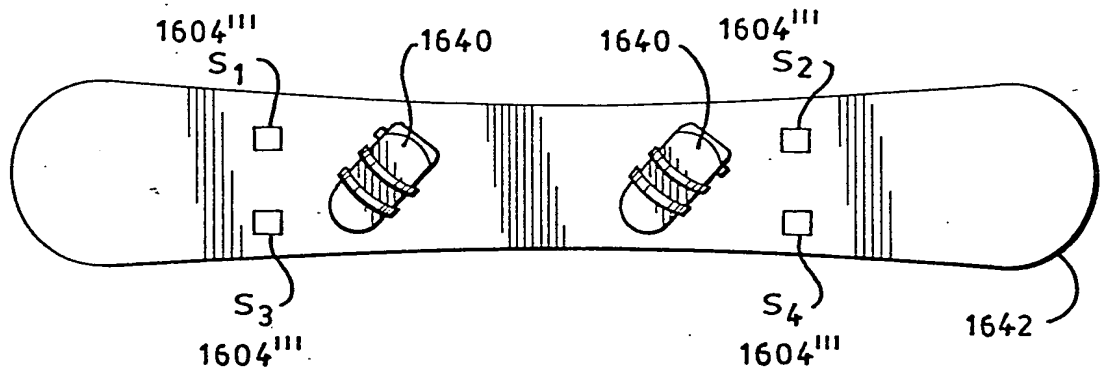


FIG. 57

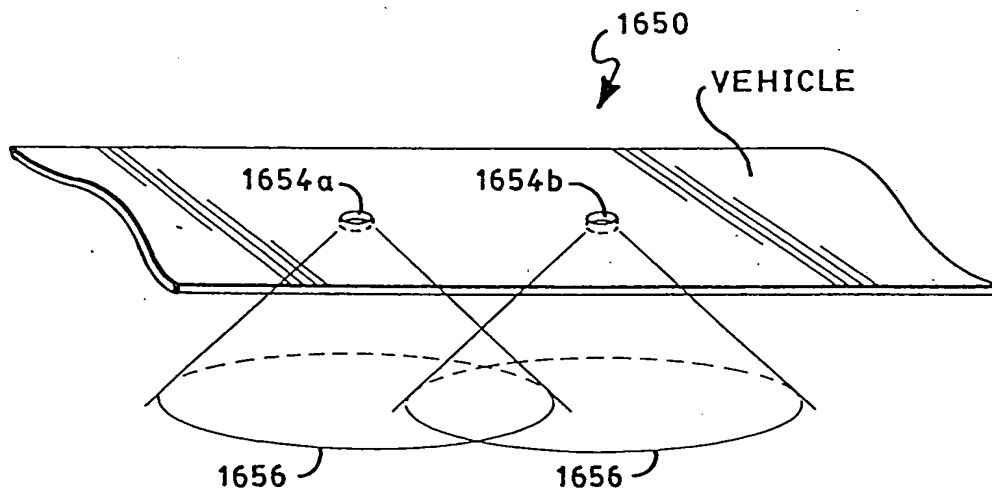


FIG. 58

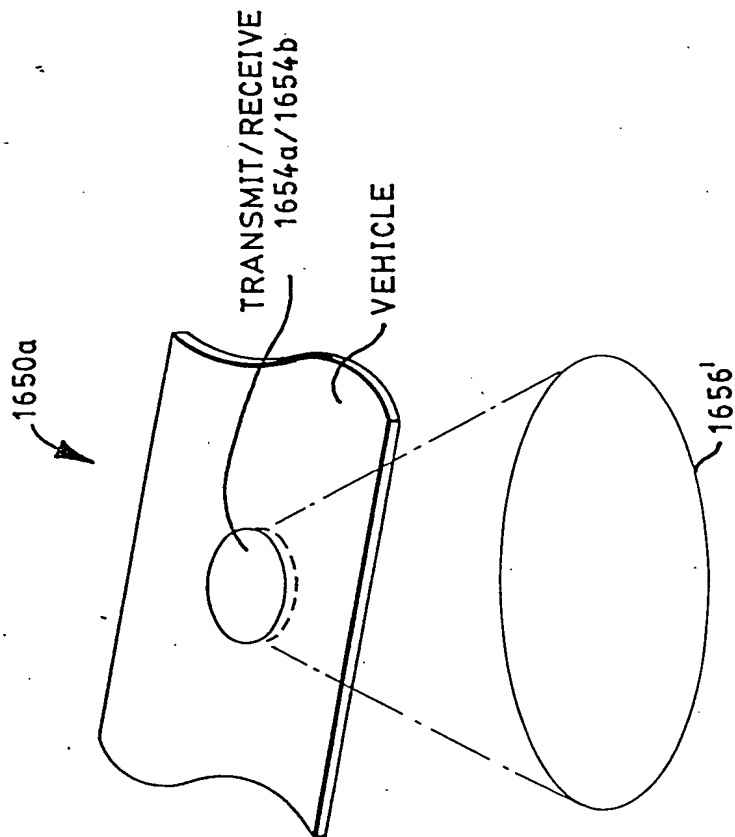


FIG. 59

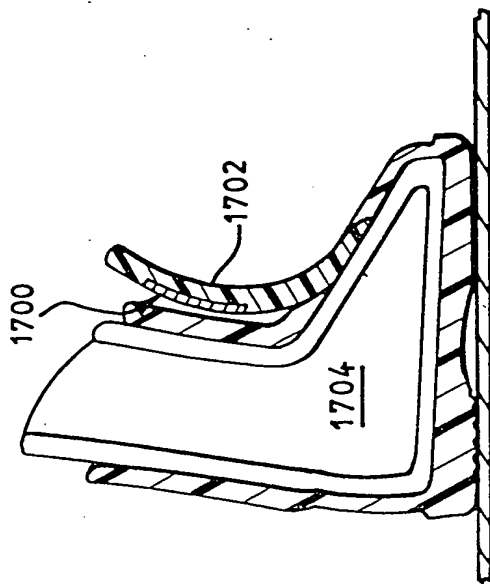


FIG. 62

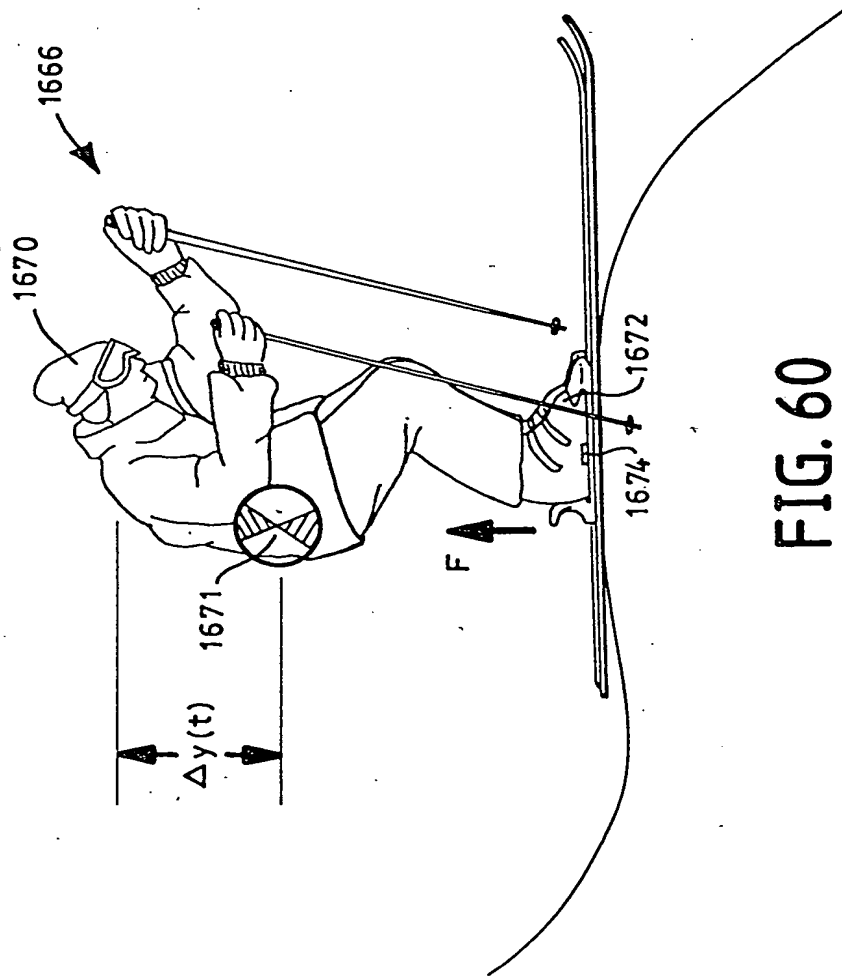


FIG. 60

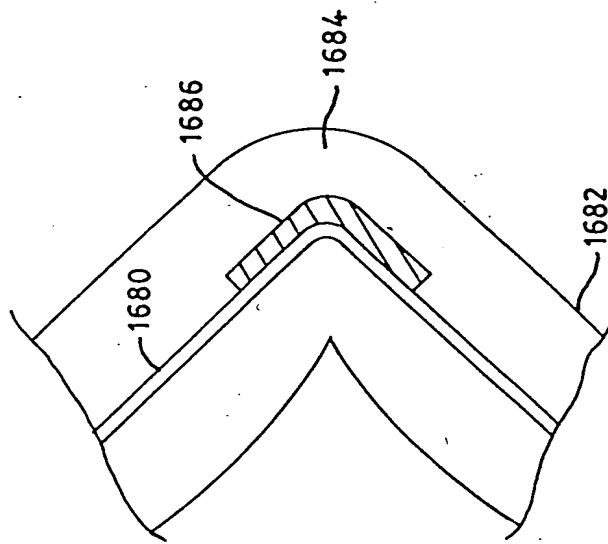


FIG. 61

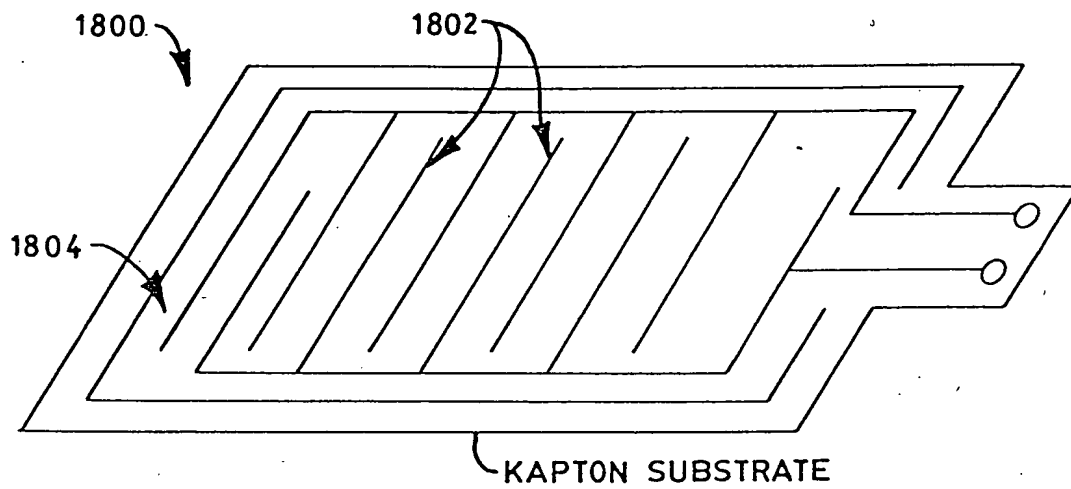


FIG. 63

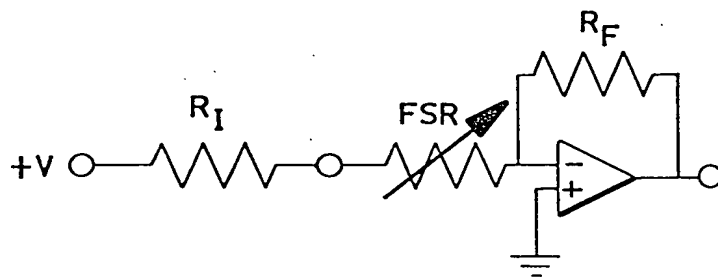
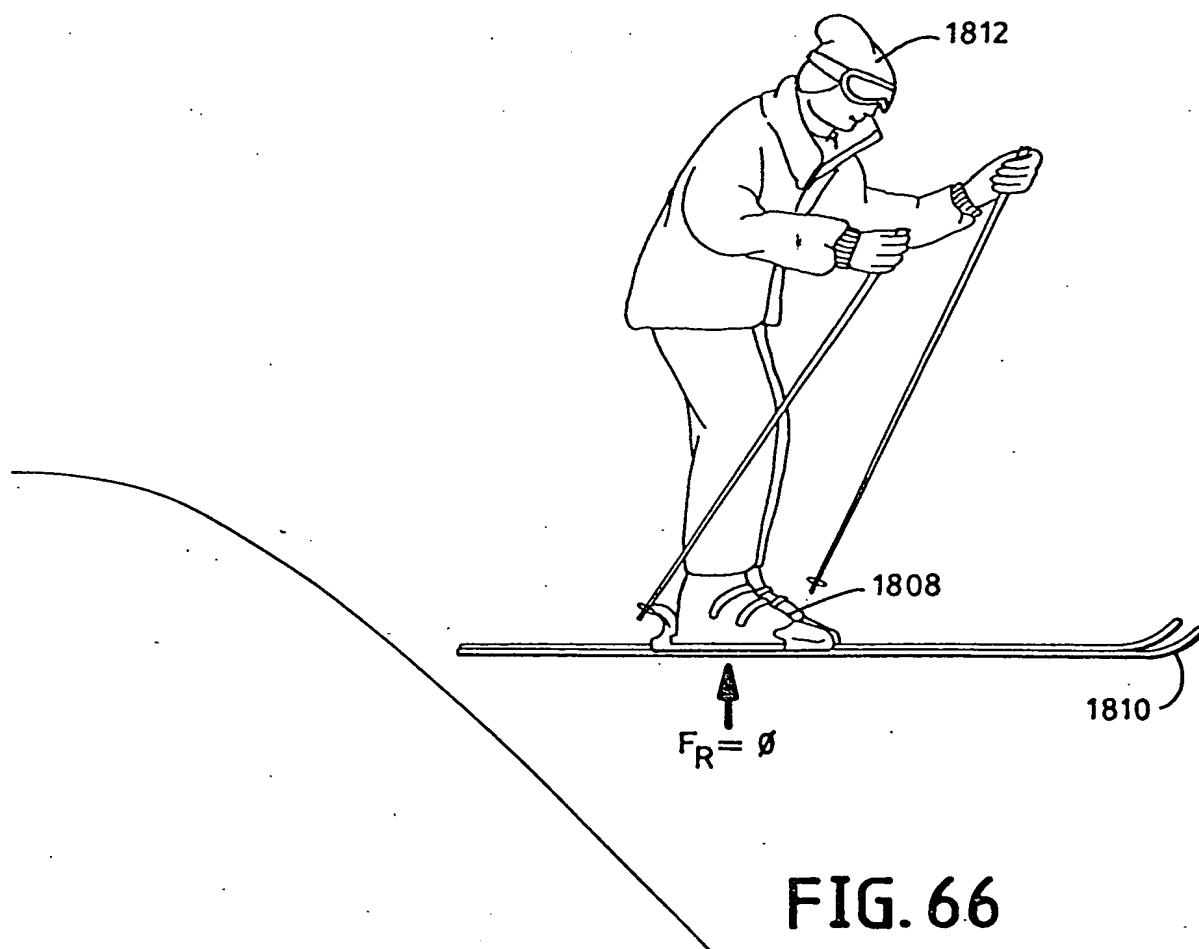
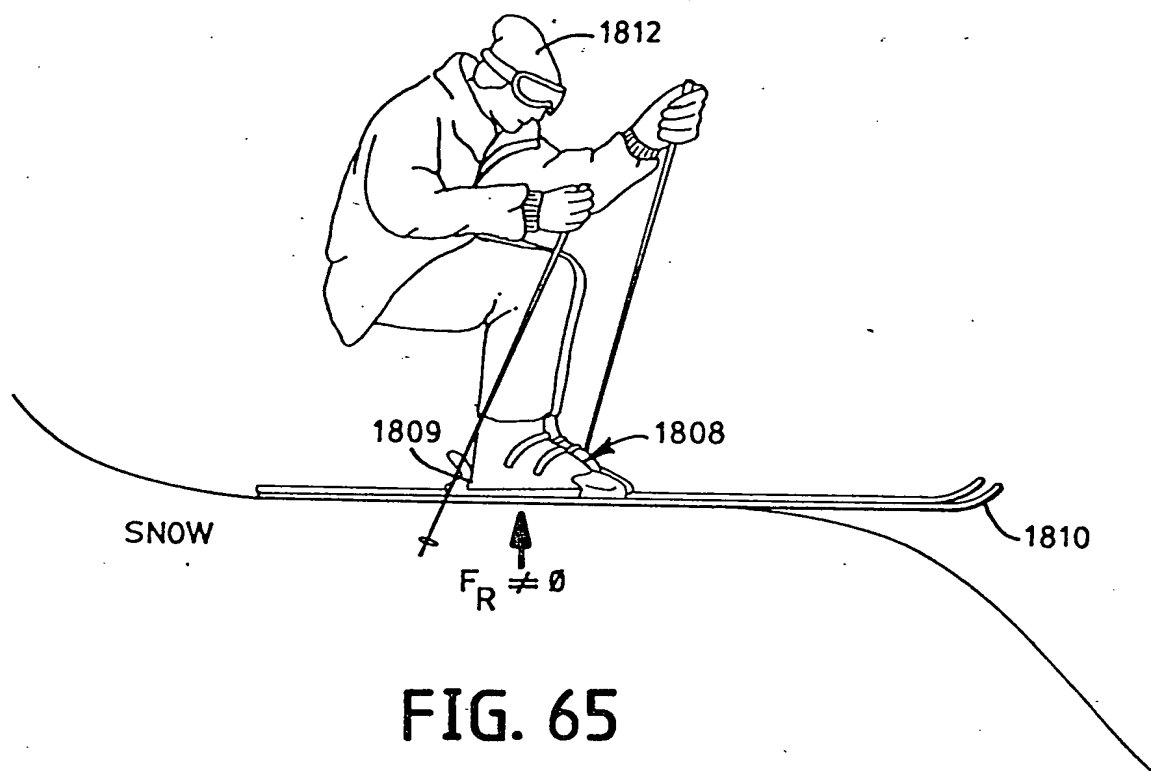


FIG. 64



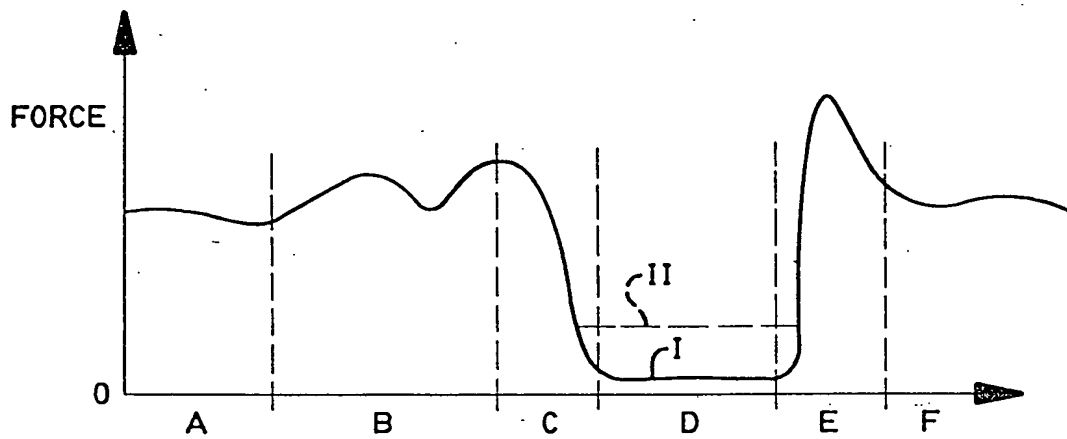


FIG. 67

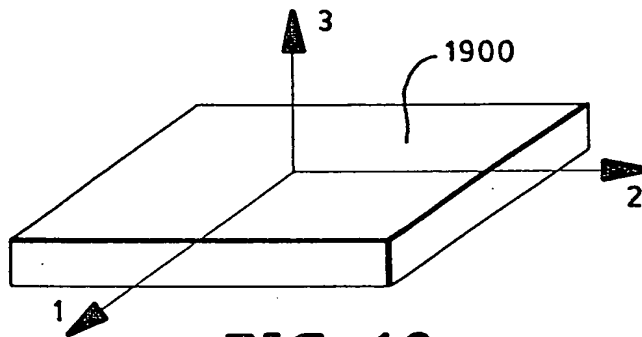


FIG. 68

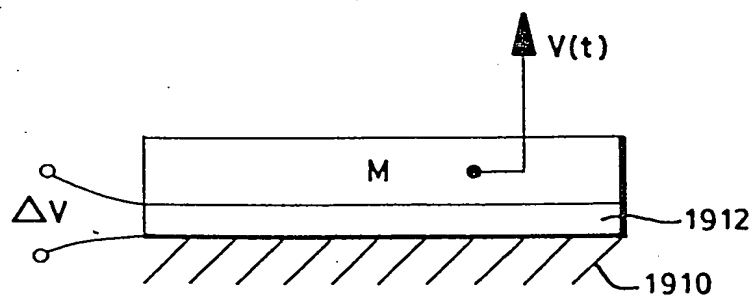


FIG. 69

FIG. 67

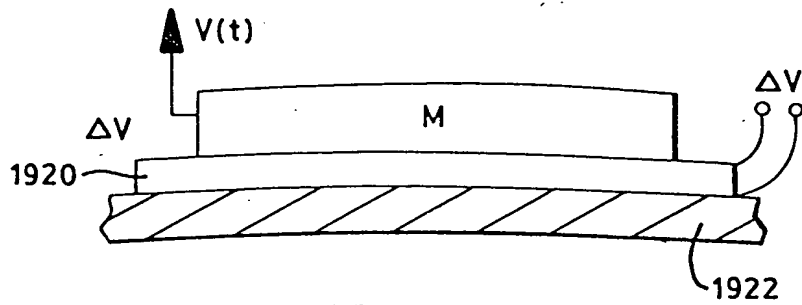


FIG. 70

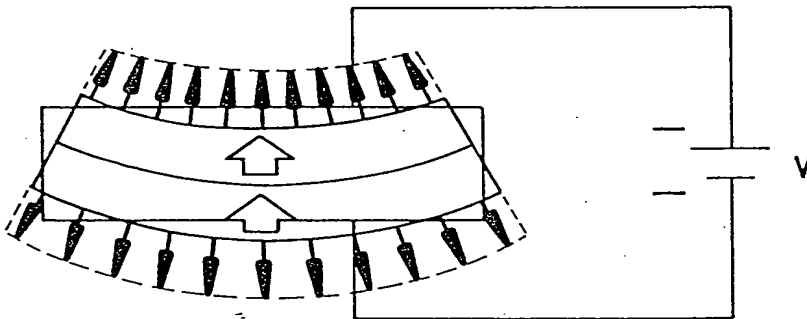


FIG. 71

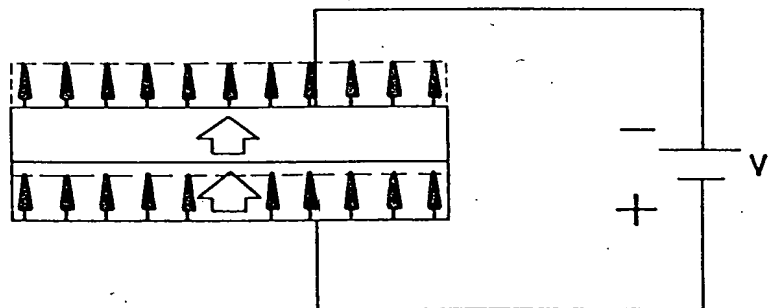


FIG. 72

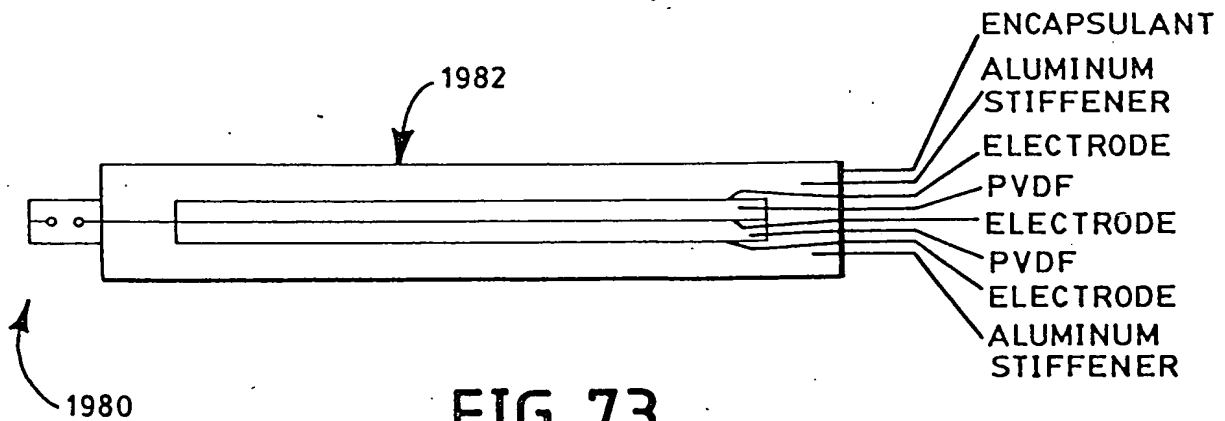


FIG. 73

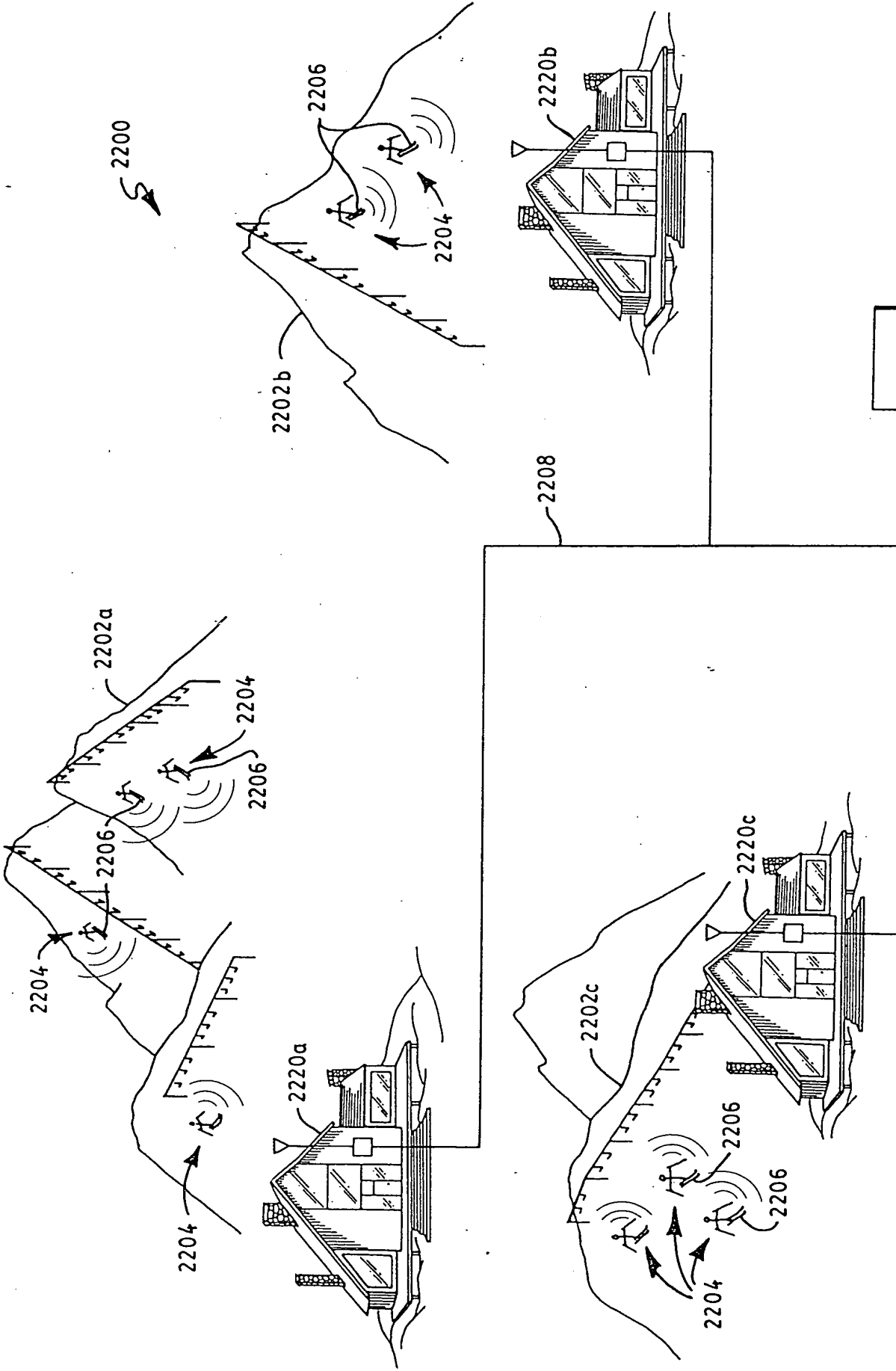


FIG. 74

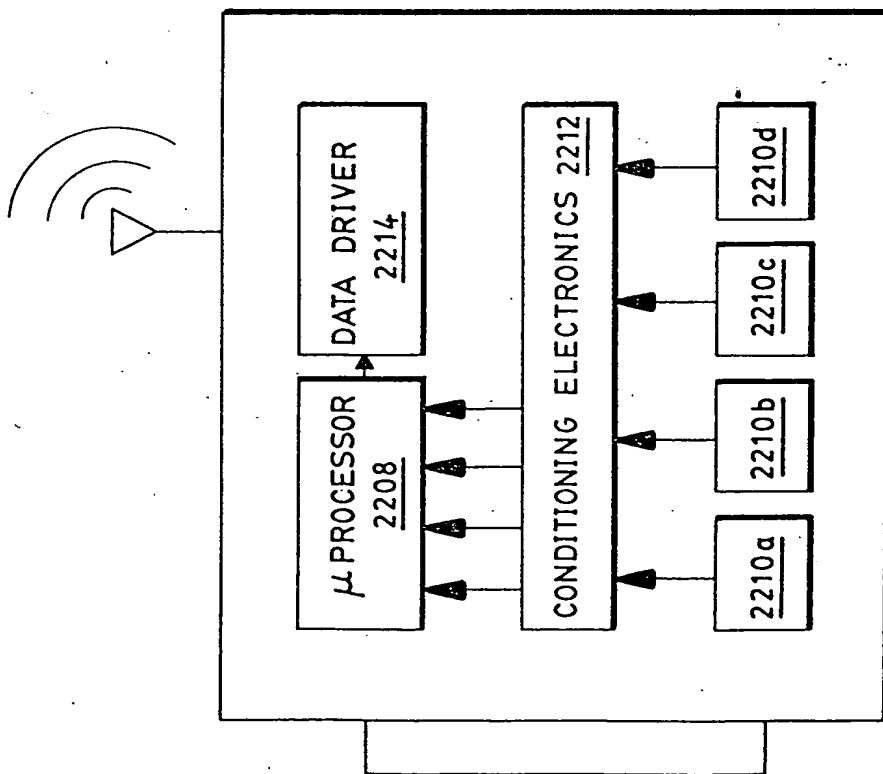


FIG. 75

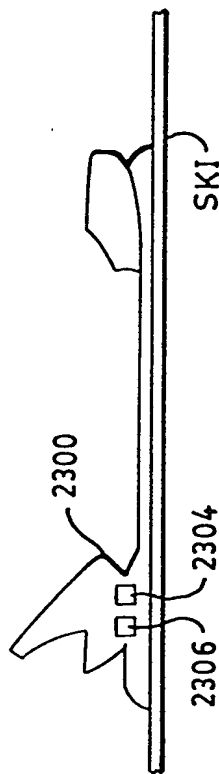


FIG. 76

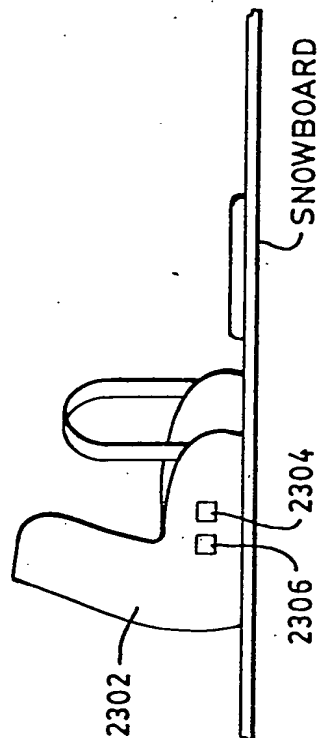


FIG. 77

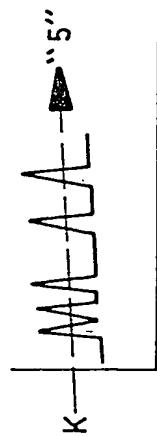


FIG. 78

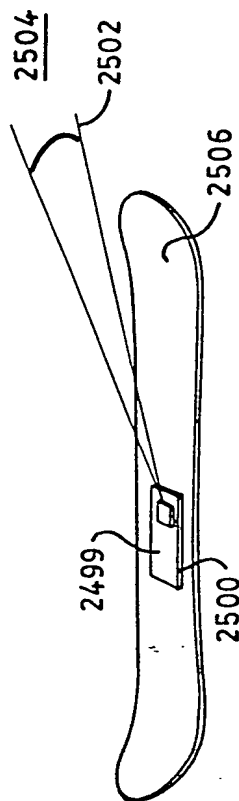


FIG. 79

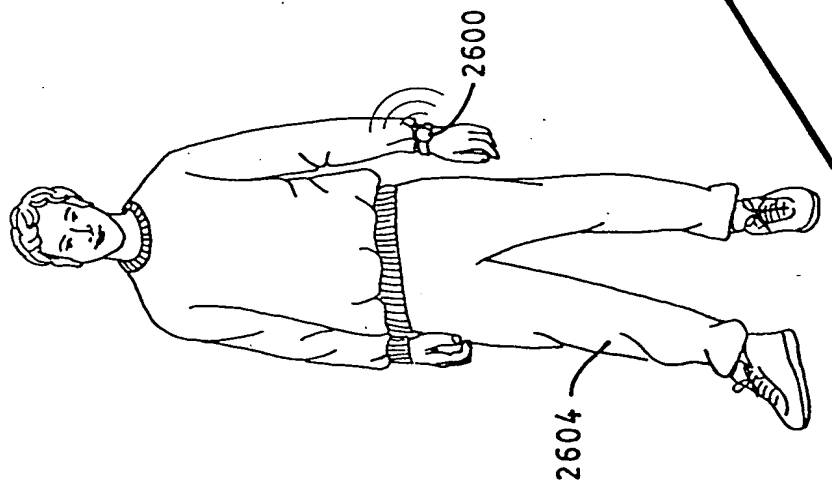


FIG. 80

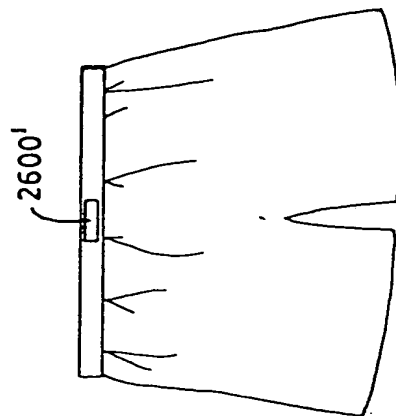


FIG. 81

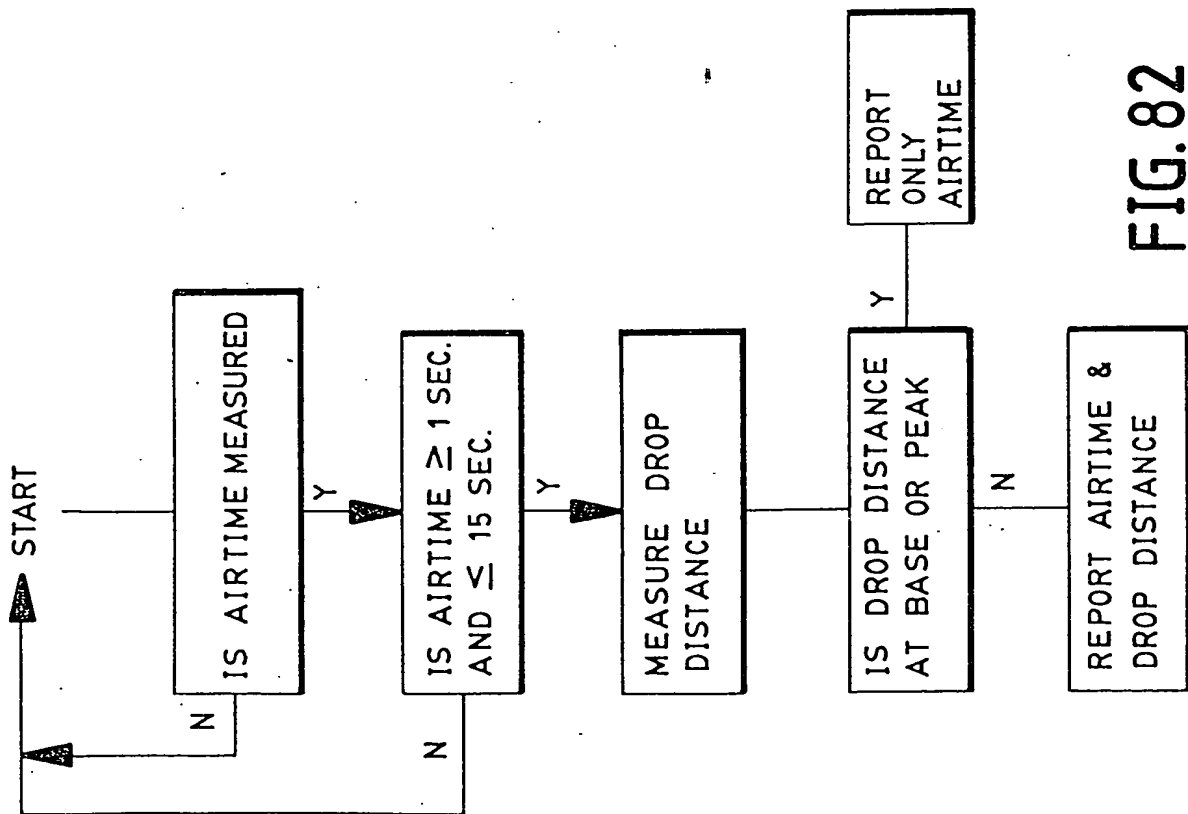


FIG. 82

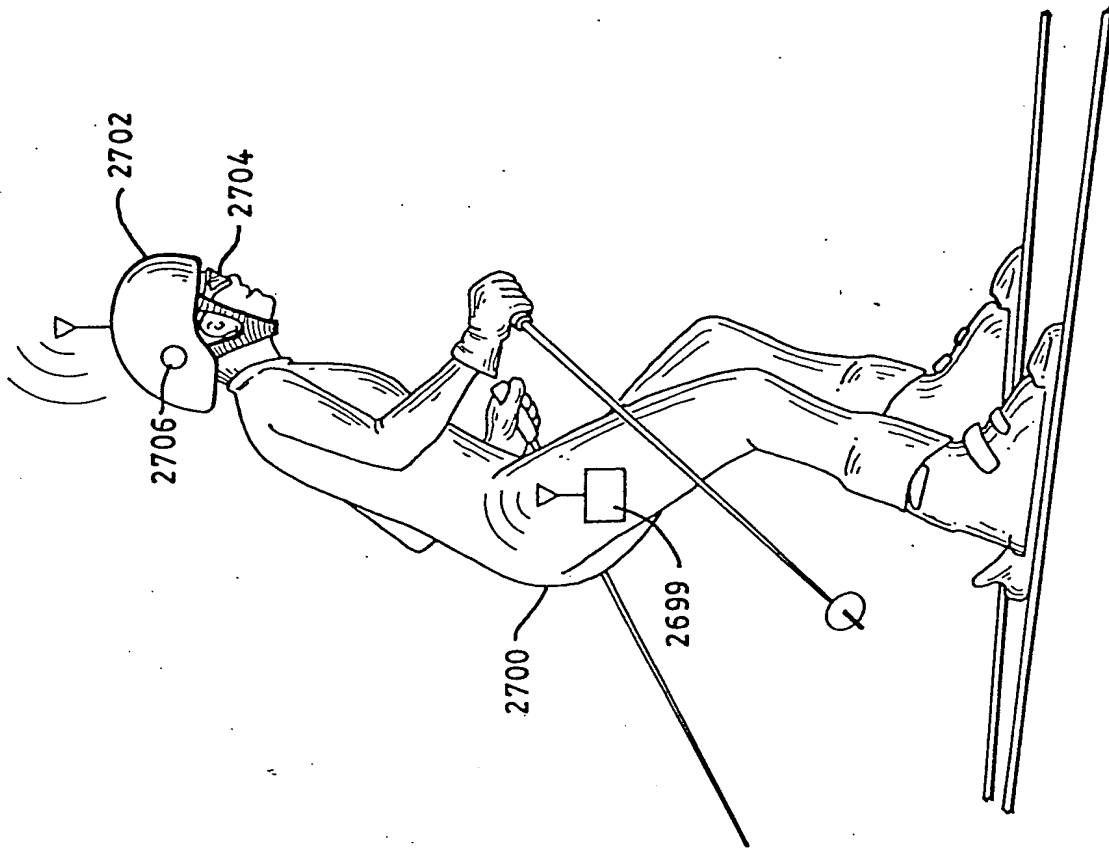


FIG. 83

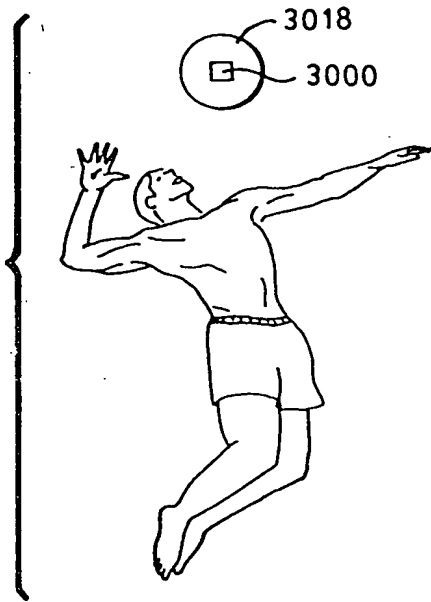


FIG. 84B

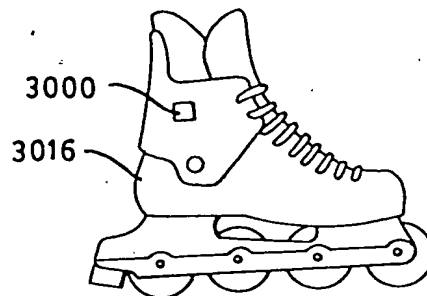


FIG. 84A

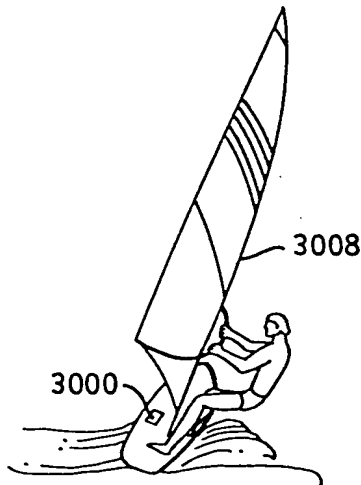


FIG. 84C

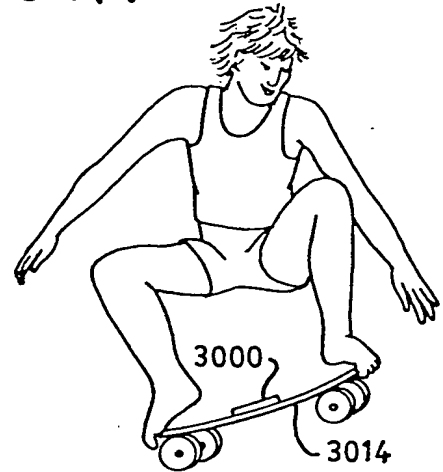


FIG. 84D

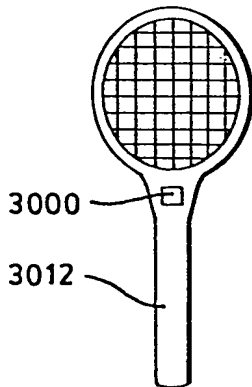


FIG. 84E

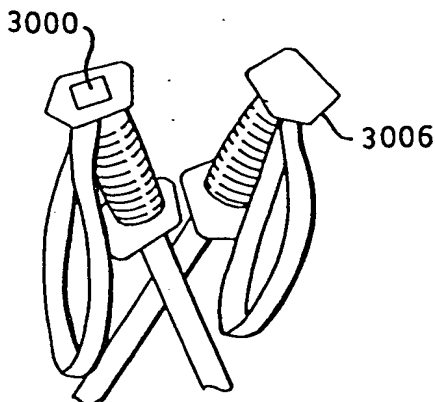


FIG. 84F

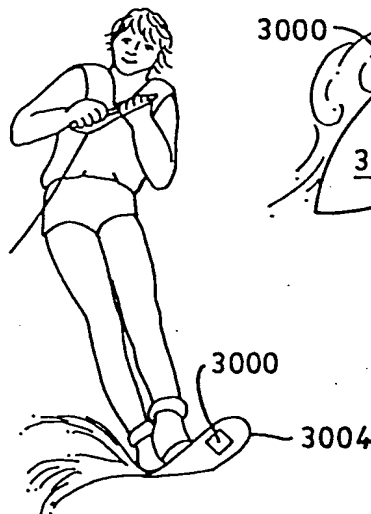


FIG. 84G

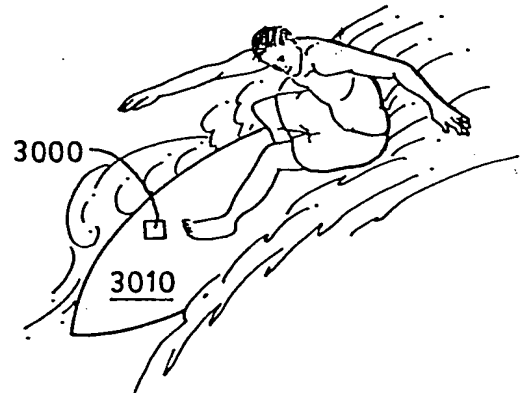


FIG. 84H